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Senior Scientific Aide

TITLE

CATALOG OF THE COLEOPTERA
OF THE
COEUR D'ALENE LABORATORY COLLECTION

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Forest Insect Laboratory
Coeur d'Alene, Idaho

November 4, 1943

To: F. C. Craighead, in Charge, Forest Insect Investigations

From: James C. Evenden, Box 630, Coeur d'Alene, Idaho

Subject: Catalog of the Coleoptera of the Coeur d'Alene Laboratory Collection, by Henry J. Rust

I am enclosing two copies of a manuscript by Mr. Rust entitled "Catalog of the Coleoptera of the Coeur d'Alene Laboratory Collection". One of these is for Mr. Muesebeck. Copies have been sent to Keen, Furniss, and Wygant.

James C. Evenden

Enclosures (2)

CATALOG OF THE COLEOPTERA
OF THE
COEUR D'ALENE LABORATORY COLLECTION

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COLEOPTERA, WITH HOPK. U. S. NUMBER, HOST, AND LOCALITY AS CONTAINED IN THE COEUR D'ALENE LABORATORY INSECT COLLECTION, ARRANGED ALPHABETICALLY ACCORDING TO FAMILIES

Hopk. U.S. No.	Family	Genera - species	Host	Locality
20058	Anobiidae	Ernobius sp.	Reared from I.o. infested PP	Coeur d'Alene, Ida.
19541	"	Microbregma emarginatus	D.m. att. PP	Sula, Montana
19537	"	" var. granicollis Fall	Collected from Engelmann spruce	Sula, Montana
16342-E	"	Utobium elegans (Horn)	Eng. spruce windfall att. by Scolytidae	Coeur d'Alene, Ida.
19945	"	Xestobium affine Lec.	Outer bark surface D.m. WWP	Metaline Falls, Wash.
19539	Bostrichidae	Stephanopachys sobrinus Cay.	Under bark D.m. att LP	Sula, Mont.
20068	"	" " "	Reared from I.o. att PP	Coeur d'Alene, Ida.
19407	Buprestidae	Acmaeodera variegata Lec.	Collected from flowers	Sula, Montana
16363.a 16393.a	"	Agrilus anxius Gory.	Betula occidentalis	Coeur d'Alene, Ida.
21943	"	" politus Say.	Collected from willows	Coeur d'Alene, Ida.
16391.a	"	Anthaxia aeneogaster Cast.	Reared from DF	Coeur d'Alene, Ida.
16346.E	"	" " "	Collected from WWP	Kellogg, Ida.
21894	"	" deleta Lec.	Reared from DF	Coeur d'Alene, Ida.

Hopk. U.S.No.	Family	Genera - species	Host	Locality
18471	Buprestidae	Buprestis alternans Lec.	Flight in LP stands	Sula, Mont.
16387-a	"	" aurulenta L.	Flight in PP stands	Coeur d'Alene, Ida.
16388	"	" confluenta Say.	Collected in flight	Coeur d'Alene, Ida.
21814	"	" laeviventris (Lec.)	Collected in flight	Coeur d'Alene, Ida.
16390-A	"	" langi Mann.	Collected in flight	Coeur d'Alene, Ida.
18476	"	" " "	Collected in flight	Sula, Mont.
16300-a	"	" maculativentris var. rusticorum Kby.	Collected in flight	Coeur d'Alene, Ida.
19403	"	" subornata Lec.	Collected in flight	Coeur d'Alene, Ida.
15797E	"	Chalcophora angulicollis Lec.	Reared from PP	Coeur d'Alene, Ida.
19406	"	Chrysobothris breviloba Fall	Outside bark surface LLP	Sula, Mont.
19405	"	" caurina Horn	Collected in flight	Sula, Mont.
16985-a 19408	"	" dentipes Germ.	Collected in flight	Coeur d'Alene, Ida.
16394-a	"	" dolata Horn	Reared from PP att. by M. californica.	Riggins, Ida.
			Collected from PP logs, OBS	Coeur d'Alene, Ida.
21815	"	" femorata Oliv.	Collected from under bark of cultivated cherry tree	Coeur d'Alene, Ida.
19723	"	" monticola Fall	Resting in sun on DF root	Sula, Mont.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
16984-a	Buprestidae	Chrysobothris pseudotsugae Van D.	Ovipositing on DF slash	Coeur d'Alene, Ida.
19721	"	" trinervia Kby.	Collected in flight	Sula, Mont.
21336	"	Dicerca crassicollis Lec.	Outer bark surface DF	Metaline Falls, Wash.
19404	"	Dicerca prolongata Lec.	Collected in flight.	Coeur d'Alene, Ida.
15797-D	"	" tenebrosa Kby.	Collected on OBS PP	Coeur d'Alene, Ida.
18475	"	" " "	Collected on OBS LP	Sula, Mont.
16392-a	"	Melanophila acuminata De.G.	Collected from OBS of Abies grandis	Coeur d'Alene, Ida.
22008	"	" californica V. D.	Reared from PP	Riggins, Ida.
20279	"	" drummondi Kby.	Reared from DF bark	Metaline Falls, Wash.
No no.	"	" " "	Reared from DF bark	McCall, Idaho
22064	"	" gentilis Lec.	Reared from PP	Riggins, Ida.
18478	"	" intrusa Horn	Outer bark surface D.m. att. LPP	Sula, Mont.
16389-a	"	Trachykele nimbosa Fall	Collected in flight	Coeur d'Alene, Ida.
21842-B	Byrrhidae	Cytilus alternatus var. longulus Cay.	Collected from driftwood	Coeur d'Alene, Ida.
21842-a	"	Morychus oblongata (Lec.)	Collected from driftwood	Coeur d'Alene Ida.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
21842-h 21842-m	Carabidae	Amara sp.	Collected from driftwood	Coeur d'Alene, Idaho
21842-y	"	Anisodactylus sp.	Collected from driftwood	Coeur d'Alene, Idaho
21846-q	"	Bembidion dyschirinum Lec.	Collected from driftwood	Coeur d'Alene, Idaho
21846-q	"	" variegatum Say.	Collected from driftwood	Coeur d'Alene, Idaho
21842-r	"	Blechrus linearis (Lec.)	Collected from driftwood	Coeur d'Alene, Idaho
No no.	"	Calosoma sycophanta L.	Received from eastern lab.	Melrose Highlands, Mass.
18799	"	" calidium Fabr.	Predacious on spruce budworm	Yellowstone N. P., Wyo.
21846	"	Lebia viridis Say.	Collected from driftwood	Coeur d'Alene, Idaho
18422-a	"	Pterostichus sp.	From duff over mineral soil	Sula, Montana
21846-b	"	Stenolophus conjunctus (Say.)	Collected from driftwood	Coeur d'Alene, Idaho
21842-L	"	Stenolophus sp.	Collected from driftwood	Coeur d'Alene, Idaho
19513-1	"	Tachyta angulata Csy.	Under bark D.m. att. LP	Sula, Montana
18497	Cephaloidea	Sponidium tenuicorne Lec.	Collected in flight	Wisdom, Montana

Hopk. U.S. No.	Family	Genera - species	Host	Locality
16991-a	Cerambycidae	Acanthocinus obliquus (Lec.)	D.m. att. WP	Coeur d'Alene, Ida.
No no.	"	" " "	M. gentilis & californica att. PP	Riggins, Ida.
No no.	"	" " "	Outer bark D.pseud. att.DF	Metaline Falls Wash.
18679	"	" princeps (Walk.)	Collected from PP	Weiser, Ida.
16988-B	"	Acmaeops pratensis Laich.	Collected in flight and on flowers	Coeur d'Alene, Ida.
18623	"	Anoplerda aspera Lec.	Flight & flowers	Sula, Mont.
21341	"	" " "	OBS DF att. by D. pseud.	Metaline Falls, Wash.
16989		" canadensis Oliv.	Reared from PP stump, also in flight	Coeur d'Alene, Ida.
16367-D	"	" chrysocoma Kby.	Collected from flowers	Lakeview, Ida.
18639	"	" crassipes Lec.	Collected from flowers	Sula, Mont.
18643	"	" cribripennis Lec.	Collected in flight	Coeur d'Alene, Idaho
18631	"	" instabilis Hald.	Collected in flight and from flowers	Sula, Mont.
16988-C	"	" laetifica Lec.	Collected from flowers	Coeur d'Alene, Ida.
18627	"	" nigrella Say.	Collected in flight	Sula, Mont.
18635	"	" sanguinea Lec.	Collected in flight	Sula, Mont.
18636		" sexmaculata Linn.	Collected in flight	Sula, Mont.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
18628	Cerambycidae	Anoplerda tibialis Lec.	Collected in flight and from flowers	Sula, Mont.
18640	"	" tribalteata Lec.	Collected in flight & from flowers	Sula, Mont.
18633	"	Anthophilax mirificus Bland	OBS D.m. att. WWP	Enaville, Ida.
16357-a	"	Asemum atrum Esch.	D.m. att. WP	Prichard, Ida.
No no.	"	Brachysomida tumida (Lec.)	Collected from flowers	Coeur d'Alene, Ida.
16992a 20082	"	Callidium antennatum var. hesperum Csy.	Stored stove wood in basements, DF & PP	Coeur d'Alene, Ida.
16993a	"	Callidium sp.	Reared from juniper sp.	Yellowstone N. P., Wyo.
16990-d	"	Clytus planifrons Lec.	Collected in flight	Coeur d'Alene, Ida.
18637	"	" sp.	Collected in flight and from flowers	Sula, Mont.
16989-B	"	Criocephalus asperatus Lec.	Collected in flight	Coeur d'Alene, Ida.
16989-D	"	" productus Lec.	Collected in flight	Coeur d'Alene,
20256	"	Cyllene robiniae Forst	Reared from black locust	Spokane, Wash.
16989-D	"	Desmocerus piperi Webb	Collected from elderberry flowers	Coeur d'Alene, Ida.
16986-A	"	Ergates spiculatus Lec.	Reared from PP	Coeur d'Alene, Ida.
16988-G		Evodinus vancouveri Csy.	Collected from trillium flowers	Coeur d'Alene, Ida.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
16367-C	Cerambycidae	Gaurotes cressoni Bland	Collected from Heraclem lanatum flowers	Coeur d'Alene, Ida.
21895	"	Holopleura marginata Lec.	Reared from DF limbs	Coeur d'Alene, Ida.
No no.	"	Hyperplatys maculata Hald.	Reared from tulip from Virginia	Reared at Coeur d'Alene, Idaho
19616	"	Leptacmaeops alticola Csy.	Reared from D.m. att. LP	Sula, Mont.
16988-a	"	Leptacmaeops longicornis Kby.	Collected from flowers	Coeur d'Alene, Ida.
18624	"	" " "	"	Sula, Mont.
16988-e	"	Leptacmaeops subpilosa Lec.	Collected from flowers	Coeur d'Alene, Ida.
18499	"	" " "	Collected in flight	Wisdom, Mont.
18638	"	Leptura obliterata Hald.	Collected from Spirea corymbosa flowers	Sula, Mont.
18630	"	Leptura plagifera Lec.	Spirea corymbosa flowers	Sula, Mont.
No no.	"	Leiopus alpha (Say.)	Reared from sumac from Virginia	Reared at Coeur d'Alene, Ida.
No no.	"	Molorchus bimaculatus Say.	Reared from dogwood from Virginia	Reared at Coeur d'Alene, Ida.
16989-a	"	Monochamus maculosus Hald.	Reared from PP slash att. by I.o.	Coeur d'Alene, Ida.
		" " "	Reared from slash att. by Melanophila gentilis and californica	Higgins, Ida.
21348	"	Monochamus notatus Drury	Collected from OBS DF	Metaline Falls, Wash.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
16977-a	Cerambycidae	Monochamus obtusus Csy.	Reared from PP	Ross, Ida.
16982-a	"	" " "	Reared WWP	Coeur d'Alene, Ida.
16979-a	"	" oregonensis Lec.	Reared from WWP log	Coeur d'Alene, Ida.
21345	"	" " "	Ovipositing on D.pseud. DF	Metaline Falls, Wash.
172396	"	" scutellatus Say.	Collected in flight	Sula, Mont.
No no.	"	Neoclytus erythrocephalus (Fab.)	Reared from ash from Falls Church, Va.	Reared at Coeur d'Alene, Ida.
20049	"	Neoclytus muricatulus Kby.	OBS PP att. by I.o.	Coeur d'Alene, Ida.
18601	"	Nothorhina aspera Lec.	OBS D.m. att. LP	Sula, Mont.
16989	"	Pachyta liturata Kby.	Collected in flight	Coeur d'Alene, Ida.
16987	"	Parapachyta spurca Lec.	Collected in flight	Coeur d'Alene, Ida.
No no.	"	Pogonocherus pictus Fall.	Collected in flight	Coeur d'Alene, Ida.
No no.	"	" propinquus Fall	Collected from OBS D.m. att. LP	Wisdom, Mont.
16987-a	"	Prionus californicus	Collected in flight	Coeur d'Alene, Ida.
20060	"	Phymatodes dimidiatus (Kby.)	Collected from OBS of PP att. by I.o.	Coeur d'Alene, Ida.
21913	"	Semanotus nicolas White	Stored DF cord-wood	Coeur d'Alene, Ida.
20083	"	" " "	OBS PP att. by I.o.	Coeur d'Alene, Ida.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
21874	Cerambycidae	Spondylis upiformis Mann.	Reared from PP roots & collected in flight; also collected in WWP roots	Coeur d'Alene, Ida.
21394	"	Stenocorus inquisitor (L.)	Collected in flight & caught in insect trap	Metaline Falls, Wash.
20206	"	" lineatum Oliv.	Ovipositing on D.pseud. att. DF	Metaline Falls, Wash.
20209	"	Tetropium velutinum Lec.	Reared from D.pseud. att. DF	Metaline Falls, Wash.
16989-a	"	Tragosoma depsarium var. harrisi Lec.	Collected in flight	Coeur d'Alene, Ida.
No no.	"	Ulochaetes leoninus Lec.	Collected in flight	Coeur d'Alene, Ida.
20213	"	Xylotrechus undulatus Say.	Reared from DF att. by D.pseud.	Metaline Falls Wash.
17227-a	Chrysomelidae			
17227-a	Chrysomelidae	Altica bimarginata Say.	Defoliator of native alder and cottonwood	Coeur d'Alene, Ida.
21892	"	" sp.	Willows	Coeur d'Alene, Ida.
21846-C	"	Arsodacne atra (Ahr.)	Collected from driftwood	Coeur d'Alene, Ida.
21821	"	Calligrapha elegans var. californica Linell	Cultivated Coreopsis plants	Coeur d'Alene, Ida.
21820	"	Calligrapha sigmoides (Lec.)	Garden flowers	Coeur d'Alene, Ida.
21846-E	"	Epitrix subcrinita Lec.	Collected from driftwood	Coeur d'Alene, Ida.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
21858	Chrysomelidae	Gallerucella punctipennis (Mann.)	Defoliator of native cottonwood	Coeur d'Alene, Ida.
21842-U	"	Hippuriphila modeeri (Linn.)	Collected from driftwood	Coeur d'Alene, Ida.
21824	"	Lina scripta (Fab.)	Defoliator of native cottonwood	Coeur d'Alene, Ida.
21939	"	Luperodes varipes Lec.	Caught in weathervane trap	Metaline Falls Wash.
21842-o	"	Phyllotreta sp.	Collected from driftwood	Coeur d'Alene, Ida.
20109	"	Phytodecta americana Schffr.	Willow	Coolin, Ida.
16355-a	Cisidae	Ennearthron sp.	From Polyporus sp. fungi on DF	Coeur d'Alene, Ida
21410	Cleridae	Enoclerus lecontei Wolc.	Collected in flight	Metaline Fall Wash.
16318-b)	"	" sphegeus Fabr.	*D.m.* att. WWP	Coeur d'Alene, Ida.
20201)	"	" " "	D.pseud. att. DF	Metaline Fall Wash.
17251 a	"	Thanasimus dubius Fabr.	OBS *D.m.* att. LP	Sula, Mont.
20202			Pred. on D.pseud in DF	Metaline Fall Wash.
18644	"	" nigriventris Lec.	OBS *D.brev.* att. PP	Coeur d'Alene, Ida.
18641	"	Trichodes ornatus Say.	Collected from yarrow flowers	Spencer, Ida.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
16929-a	Coccinellidae	Anatis 15 punctata var.	Collected from white fir foliage	Princeton, Ida.
21966	"	rathvoni Lec.	Collected in flight	Coeur d'Alene, Ida.
21842-x	"	Cleis picta (Rand)	Collected from driftwood	Coeur d'Alene, Ida.
21842-x	"	Coccinella novemnotata var. degener Csy.	Collected from driftwood	Coeur d'Alene, Ida.
21842-G	"	Cycloneda munda var. polita Csy.	Collected from driftwood	Coeur d'Alene, Ida.
21403	"	Hippodamia caseyi Johns.	Caught in weather vane insect trap	Metaline Falls, Wash.
21842-x	"	" convergens Guer.	Collected from driftwood	Coeur d'Alene, Ida.
21842-x	"	" lecontei Muls.	Collected from driftwood	Coeur d'Alene, Ida.
21842-k	"	Scymnus sp.	Collected from driftwood	Coeur d'Alene, Ida.
16328	Colydiidae	Aulonium longum Lec.	Reared from PP att. by D. brev. and *I.o.*	Coeur d'Alene, Ida.
16300-b	"	Deretaphrus oregonensis Horn.	D.pseud. att.DF	Coeur d'Alene, Ida.
19521	"	" " "	D.brev. att. PP	Coeur d'Alene, Ida.
18604	"	Lasconotus complex Lec.	Collected from D.m. att. PP; &	Sula, Mont.
20066	"	" " "	collected from *I.o.* att. PP	Coeur d'Alene, Ida.
18604-c	"	" pertenuis Csy.	Collected from *D.m.* att. LP	Sula, Mont.
19808	"	" schwarzi Kraus	Collected from Thuja plicata	Metaline Falls, Wash.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
18604-b	Colydiidae	Lasconotus simplex var. Lec.	Collected from D.m. att. LP	Sula, Mont.
16329-6	"	" subcostulatus Kraus	Collected from D.brev. att. PP	Coeur d'Alene, Ida.
19808-1	"	" " "	Collected from Abies lasiocarpa	Metaline Falls, Wash.
20246	Cryptophagidae	Atomaria sp.	Collected from D.pseud. att. DF	Metaline Falls, Wash.
19780-1	"	Caenoscelis sp.	Collected from D.m. att. WWP	Metaline Falls, Wash.
21337	"	Cryptophagus maximus Blake	Collected from D. pseud. att. DF	Metaline Falls, Wash.
19780	"	Cryptophagus sp.	Collected from D.m. att. WWP	Metaline Falls, Wash.
20057	"	Henoticus serratus (Gyll.)	Collected from I.o. att. PP	Coeur d'Alene, Ida.
21302	"	Salebius tarsalis Cay.	Collected from D.pseud. att. DF	Metaline Falls, Wash.
19962)	"	Cucujus clavipes var. puniceus Mann.	Under bark DF cordwood	Coeur d'Alene, Ida.
19962-1)			Under bark D.m. att. PP	Sula, Mont.
19797)			On bark D.m. att. WWP	Metaline Falls, Wash.
19516	"	Dendrophagus glaber Lec.	Coll. from D.m. att. LP	Sula, Mont.
18609	"	Laemophloeus angustulus Lec.	Collected from D.m. att. PP	Sula, Mont.
18609	"	Narthecius monticola Fall	Collected from B.m. att. PP	Sula, Mont.
21807	"	Oryzaephilus surinamensis (Linn.)	Heavy flight around lumber yards and buildings	Cheney, Wash.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
19834-1	Cryptophagidae	Pediacus depressus Hbst.	Collected from *D.m.* att. WWP	Metaline Falls, Wash.
18634	Cupesidae	Priacma serrata Lec.	Flight in WWP stands	Coeur d'Alene, Ida.
21869	Curculionidae	Brachyrhinus ovatus (L.)	Collected from cultivated strawberry plants	Missoula, Mont.
19837	"	Carphonotus testaceus Csy.	Collected from *D.m.* att. WWP	Metaline Falls Wash.
16954-a	"	Cossonus piniphilus (Boh.)	Collected from sapwood, *D.m.* att. WWP	Coeur d'Alene, Ida.
15797-a	"	" ponderosae (Van D.)	Collected from sapwood D. brev. att. PP	Coeur d'Alene, Ida.
20116	"	Cryptorpynchus lapathi (L.)	Salix & cottonwood	Coeur d'Alene & Priest River, Ida.
20065	"	Cylindrocopturus longulus (Lec.)	Reared from *I.o.* att. PP	Coeur d'Alene, Ida.
21842-F	"	Elleschus sp.	Collected from driftwood	Coeur d'Alene, Ida.
20064	"	Gelus californicus (Lec.)	Reared from *I.o.* att. PP	Coeur d'Alene, Ida.
21860	"	Magdalis cuneiformis Horn	Reared from PP twigs	Sundance, Wyo.
18702	"	" lecontei Horn	Collected from outer bark surface PP twigs	New Meadows, Ida.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
16970-a 18675	Curculionidae	Pissodes burkei (Hopk.)	Collected from alpine fir	Glacier N.P., Mont., and Yellowstone N.P., Wyo.
21941	"	Pissodes coloradensis Hopk.	Reared from WWP	Port Hill, Ida.
21942			Reared from Eng. spruce	Port Hill, Ida.
20287	"	" curriei (Hopk.)	Reared from WWP root infested by: D.m.	Libby, Mont.
21812	"	" engelmanni (Hopk.)	Collected from Picea engelmanni leaders	Coeur d'Alene, Ida.
21998	"	" fasciatus Lec.	Under bark of DF att. by spruce budworm	Wapiti, Wyo.
16341-a	"	" schwarzi (Hopk.)	Collected from Pinus ponderosa	Coeur d'Alene, Ida.
21846-f	"	Rhinomacer comptus Lec.	Collected from driftwood	Coeur d'Alene,
19857	"	Rhyncolus brunneus Mann.	Collected from D.m. att. WWP	Metaline Falls,
16376-D	"	" oregonensis Horn	Collected from PP killed by D. brev. (sapwood)	Coeur d'Alene, Ida.
20055	"	Scythropus sp. near miscex Fall	Defoliating PP	Coeur d'Alene, Ida.
16337-a	"	" californicus Horn	Defoliating PP	Coeur d'Alene, Ida.
21842-W	"	Sitona sp.	Collected from driftwood	Coeur d'Alene, Ida.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
21842-N	Derodontidae	Laricobius laticollis Fall	Collected from driftwood	Coeur d'Alene Lake, Ida.
19426	Elateridae	Adelocera profusa Cand.	Adults collected from under bark decaying PP logs	Coeur d'Alene, Ida.
19428	"	" rorulenta Lec.	Adults collected from under bark decaying PP logs	Coeur d'Alene, Ida.
19459	"	Agriotes ferrugineipennis Lec.	Collected from flowers	Coeur d'Alene, Ida.
15797-e	"	Alaus melanops Lec.	Collected from PP stumps	Coeur d'Alene, Ida.
19471	"	Anelastes druryi Kby.	Collected in flight	Coeur d'Alene, Ida.
19462	"	Athous ferruginosus Esch.	Collected from flowers	Sula, Montana
19477	"	Cardiophorus tumidicollis Lec.	Collected in flight	Sula, Mont.
19479	"	" tenebrosus Lec.	Collected in flight	Coeur d'Alene, Ida.
19458) 19473)	"	Dolopius lateralis Esch.	Collected from flowers	Sula, Mont. Coeur d'Alene, Ida.
19612	"	Elater brevis V. Dyke	Outer bark surface, LP	Sula, Mont.
19474	"	" nigrinus Hbst.	Collected in flight	Coeur d'Alene, Ida.
21305	"	" " "	Ovipositing on DF bark	Metaline Falls Wash.
19605	"	" phoenicopterus Germ.	Collected in flight	Sula, Mont.
———	"	" pullus Germ.	Collected from under bark decaying PP logs	Coeur d'Alene Ida.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
19433	Elateridae	Elater sp.	Collected from under bark, decaying PP logs	Coeur d'Alene, Ida.
19604	"	Limonius aeger Lec.	Collected from flowers	Sula, Mont.
19450	"	" crotchi Horn	Collected in flight	Coeur d'Alene, Ida.
19457	"	" infuscatus Mots.	Collected from flowers	Coeur d'Alone, Ida.
19439	"	" sp.	Collected from flowers	Coeur d'Alene, Ida.
19429	"	"	Collected in flight	Coeur d'Alene, Ida.
19603	"	Ludius aereipennis Kby.	OBS D.m. LP	Sula, Mont.
19430	"	" carbo Lec.	Collected in flight	Coeur d'Alene, Ida.
19432	"	" " variety	Collected in flight	Enaville, Ida.
19463	"	" fallax Say.	Collected in flight & from under bark decaying PP logs	Coeur d'Alene, Ida.
19446	"	" furtivus (Lec.)	Collected in flight	Coeur d'Alene, Ida.
19456	"	" inflatus Say.	Collected in flight	Coeur d'Alene, Ida.
19445	"	" moereus Lec.	Collected in flight	Weippe, Ida.
19437	"	" monticola Horn	Collected in flight	Coeur d'Alene, Ida.
19480) 19607)	"	" propola (Lec.)	OBS D.m. LP Collected in flight	Sula, Mont.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
19441) 19442)	Elateridae	Ludius protractus Lec.	Collected in flight	Coeur d'Alene, Ida.
19448	"	" resplendens Esch.	Collected in flight	Coeur d'Alene, Ida.
19467	"	" rotundicollis Say.	Collected in flight	Sula, Mont.
19435	"	" suckleyi var. Lec.	Collected in flight	Sula, Mont.
19468	"	" sulicollis Say.	Collected in flight	Coeur d'Alene, Ida.
19481) 19606)	"	" trundulatus Rand	OBS D.m. LP	Sula, Mont.
19449	"	" umbricola Esch.	Collected in flight	Coeur d'Alene, Ida.
19482	"	" umbripennis Lec.	Collected in flight	Coeur d'Alene, Ida.
20071	Erotylidae	Dacne uteana Cey.	Reared from I.o. infested PP	Coeur d'Alene, Ida.
21962	Helodidae	Cyphen concinnus (Lec.)	Collected from foliage of cultivated birch	Spokane, Wash.
19582	Histeridae	Isomalus mancus Cay.	Collected from under bark PP att. by D.m.	Sula, Mont.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
16369-D)	Histeridae	Isomalus mancus Csy.	Collected from WWP	Lakeview, Ida.
21438	"	" " "	Reared from D.pseud. att DF	Metaline Falls, Wash.
16315-C	"	Paromalus sp.	Collected from D.m. att WWP	Coeur d'Alene, Ida.
16317-D	"	" "	Collected from D. eng. att. ES	Coeur d'Alene, Ida.
15798-C	"	Platysoma punctigerum Lec.	Collected from D.brev. att. PP	Coeur d'Alene, Ida.
16328-C	"	Plegaderus sp.	Collected from I.o. att. PP	Coeur d'Alene, Ida.
16961-a	"	" nitidus Horn	Adults collected from D.brev. att. PP	Coeur d'Alene, Ida.
19793-4	"	" " "	Collected from LP slash	Lolo Hot Spring Mont.
21842-S	"	Saprinus sp.	Collected from driftwood	Coeur d'Alene~~,~~ Lake Ida.
21846-D	Hydrophilidae	Anacaena infuscata Mots.	Collected from driftwood	Coeur d'Alene Lake, Ida.
21842-Q	"	Enochrus sp.	Collected from driftwood	Coeur d'Alene Lake, Ida.
21842-V	"	Helophorus sp.	Collected from driftwood	Coeur d'Alene Lake, Ida.
21842-N	"	Hydrochus sp.	Collected from driftwood	Coeur d'Alene Lake, Ida.
21406	"	Sphaeridium scarabaeoides (L.)	Caught in weather vane insect trap: high elevation	Metaline Falls, Wash.

Hopk. W.S. No.	Family	Genera - species	Host	Locality
19602	Lathridiidae	Corticaria serrata (Payk.)	Collected from D.m. infested LP	Sula, Mont.
21435	"	Enicmus sp.	Reared from D.pseud. att. DF	Metaline Falls, Wash.
16958-a	Lucanidae	Ceruchus punctata Lec.	Collected from decayed PP logs	Coeur d'Alene, Ida.
19796	Lycidae	Eros sp.	Collected from OBS D.m. att. WWP	Metaline Falls, Wash.
22042	Lyctidae	Lyctus planicollis Lec.	Stored applewood in basement	Burley, Ida.
22052 22063	Melandryidae	Rushia californica Fall	Reared from I.o. att. PP	Coeur d'Alene, Ida.
19527-1	"	Scotochrea basilis Lec.	Collected in flight	Sula, Mont.
20242	"	Serropalpus barbatus (Schall.)	Reared from D.pseud. att. DF	Metaline Falls, Wash.
22051	"	" " "	Reared from Abies grandis	Riggins, Ida.
19519	"	" serratus (Schall.)	OBS D.m. att. LP	Sula, Mont.
19528	"	Xylita laevigata (Hellw.)	Collected from WWP att. by D.m.	Metaline Falls, Wash.
20221	"	Zilora nuda Prov.	Reared from D.pseud. att. DF	Metaline Falls, Wash.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
22006	Meloidea	Lytta nuttalli Say.	Destructive to forage plants	Moose, Wyo.
21959	"	" sphaericollis Say.	Defoliator of cultivated honey-suckle bushes and alfalfa	Coeur d'Alene, Ida.
20073	Melyridae	Eurelymus atra (Lec.)	Reared from I.o. att. PP	Coeur d'Alene, Ida.
20265	"	Listrus montanus Cay.	Reared from D.brev. att. PP	Coeur d'Alene, Ida.
20070	"	" sp. near senilis Lec.	Reared from I.o. infested PP	Coeur d'Alene, Ida.
21846-L	"	Listrus sp.	Collected from driftwood	Coeur d'Alene, Ida.
19520	"	Malachius sp.	OBS of LP and reared from D.m. att. LP	Sula, Mont.
20265-1	"	" "	Reared from D. brev. att. PP	Coeur d'Alene, Ida.
21879	Mylabridae	Mylabris obtectus (Say.)	Dried peas in storage	Coeur d'Alene, Ida.
16335-b	Nitidulidae	Epuraea avara (Rand.)	Collected from D.brev. att. PP	Coeur d'Alene, Ida.
19588	"	linearis Makl.	Collected from D.m. att. LP	Sula, Mont.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
19795)	Nitidulidae	Epuraea truncatella Mann.	Collected from D.m. att. WWP	Metaline Falls, Wash.
)				
20244)	"	" " "	Collected from D.pseud.att. DF	Metaline Falls, Wash.
20050)	"	Glischrochilus quadrisignatus Say.	Reared from *I.o.* att. PP	Coeur d'Alene, Ida.
)				
21893)	"	Glischrochilus quadrisignatus Say.	Reared from willow att. by willow weevil	Coeur d'Alene, Ida.
19511-2)	"	Glischrochilus vittatus (Say.)	Collected from *D.m.* att. LP	Sula, Mont.
)				
)				
20051)	"	" " "	Reared from *I.o.* att. PP	Coeur d'Alene, Ida.
19804	"	Omosita discoidea (Fab.)	OBS WWP att. by *D.m.*	Metaline Falls, Wash.
19529	"	Pityophagus rufipennis Horn.	Collected in flight	Coeur d'Alene, Ida.
20053	"	Soronia guttulata (Lec.)	Collected from OBS of PP att. by *I.o.*	Coeur d'Alene, Ida.
19583	Orthoperidae	Sacium lugubre Lec.	OBS *D.m.* att. LP	Sula, Mont.
20069	"	" " "	Reared from *I.o.* att. PP	Coeur d'Alene, Ida.
19623-2				
19623-2	Ostomidae	Corticotomus cavipes (Fall)	Collected from D.brev. att. PP	Coeur d'Alene, Ida.
19542	"	Ostoma ferruginea (L.)	Collected from *D.m.* att. PP	Sula, Mont.
15797-B)	"	Temnochila virescens var. chlorida (Mann.)	Collected from D.brev. att. PP	Coeur d'Alene, Ida.
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17244-a)	"	Ditto	Collected from *D.m.* att. WWP	Coeur d'Alene, Ida.
)				
21367)	"	Ditto	Collected from D.pseud. att.DF	Metaline Falls, Wash.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
20060	Ostomidae	Tenebroides occidentalis Fall	Reared from I.o. att. PP	Coeur d'Alene, Ida.
16347-D	"	" sinuatus (Lec.)	Collected from D.brev. att. PP	Kellogg. Ida.
20048	Othniidae	Othynius lugubris Horn	Reared from I.o. att. PP; reared from M. californica att. PP	Coeur d'Alene, Ida. Riggins, Ida.
20059	Pedilidae	Eurygenius campanulatus Lec.	OBS I.o. inf. PP	Coeur d'Alene Ida.
16357-B	Pythidae	Lecontea discicollis (Lec.)	Collected from under loose bark on WWP	Prichard, Ida.
21842-c	"	Priognatus monilicornis Rand	Collected from driftwood	Coeur d'Alene Lake, Ida.
19524)	"	Pytho sp.	Collected from D.m. att. LP	Sula, Mont.
19782)	"	" "	Collected from D.m. att. WWP	Metaline Falls, Wash.
19782-1)	"	" "	Collected from D.m. att. WWP	Metaline Falls, Wash.
20074	Ptinidae	Ptinus sp.	Reared from I.o. infested PP	Coeur d'Alene, Ida.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
19895-1))) 20216)	Rhizophagidae	Rhizophagus dimidiatus Mann.	Collected from D.m. att. WWP	Metaline Falls, Wash.
	"	" " "	Collected from D.pseud. att.DF	Metaline Falls, Wash.
16346-0	"	" minutus var. quadriguttatus Meg.	Collected from D.m. att. WWP	Kellogg, Ida.
19508	"	" procerus Csy.	Collected from D.m. att. LP	Sula, Mont.
19508-3	"	" " Csy.	Collected from Engelmann spruce	Sula, Mont.
18603	"	" sculpturatus Mann.	Collected from D.brev. att. PP	Coeur d'Alene, Ida.
19895	"	" remotus Lec.	Collected from OBS WWP	Metaline Falls, Wash.
21842-d	Scarabaeidae	Aphodius cruentatus Lec.	Collected from driftwood	Coeur d'Alene Lake, Ida.
21842	"	" distinctus (Mull.)	Collected from driftwood	Coeur d'Alene/ Lake, Ida.
21846-a	"	" opacus Lec.	Collected from driftwood	Coeur d'Alene Lake, Ida.
No no.	"	Canthon sp.	Collected from ground	Coeur d'Alene, Ida.
21859	"	Dichelonycha backi Kby.	Collected from DF foliage	Mountain Home, Ida.
No no.	"	" sp.	Collected from PP foliage	Coeur d'Alene, Ida.
21811	"	Euphoria inda L.	Collected from wild thistle flowers	Coeur d'Alene, Ida.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
17268-a	Scolytidae	Carphoborus ponderosae Sw.	Collected from under bark of LP	Bozeman, Mont.
19410	"	Conophthorus flexilis Hopk.	Pinus flexilis cones	Dillon, Mont.
21809	"	Conophthorus monticolae Hopk.	Pinus monticola cones	Coeur d'Alene, Ida.
16942-a	"	Cryphalus amabilis Chamb.	Abies lasiocarpa	Glacier N.P., Mont.
19767)	"	Crypturgus borealis Sw.	Abies grandis	Metaline Falls, Wash.
19785)	"	" "	Pinus monticolae	Metaline Falls, Wash.
22011)	"	" " "	Picea engelmanni	Pray, Mont.
20233)	"	" " "	Douglas fir	Metaline Falls, Wash.
16383-a	"	Dendroctonus brevicomis Lec.	Ponderosa pine	Coeur d'Alene, Ida.
16370-a)	"	" engelmanni Hopk.	Eng. spruce	Coeur d'Alene, Ida.
21419)	"	" " "	" "	Metaline Falls, Wash.
16333-a	"	" monticolae Hopk.	Pinus monticola	Coeur d'Alene, Ida.
			" ponderosa	Ida.
			" monticola	Metaline Falls, Wash.
			Lodgepole pine	Sula, Mont.
				Wisdom, Mont.
			Pinus albicaulis	Sula, Mont.
			" flexilis	Dillon, Mont.
------			Eng. spruce	Sula, Mont.
17209-a	"	" murrayanae Hopk.	Base of LPP	Washakie N.F., Wyo.
17216 A	"	" ponderosae	Collected from PP	Kaibab N. F., Arizona.
20122	"	" "	Col. from Pinus flexilis	Southeastern Wyoming

Hopk. U.S. No.	Family	Genera - species	Host	Locality
16384-a	Scolytidae	Dendroctonus pseudotsugae Hopk.	Douglas fir	Coeur d'Alene, Ida.
20200	"	" " "	" "	Metaline Falls, Wash.
	"	" " "	Larix occidentalis	Coeur d'Alene, Ida. Metaline Falls, Wash.
16385-a	"	" valens Lec.	Pinus ponderosa Pinus monticola	Coeur d'Alene, Ida.
21429	"	" " "	Douglas fir	Metaline Falls, Wash.
	"	" " "	Pinus albicaulis	Y.N.P., Wyo.
	"	" " "	Lodgepole pine	Hughesville, Mont., on old Jefferson National Forest Dry Wolf Creek
16317-B)	"	Dryocoetes affaber (Mann.)	Eng. spruce	Coeur d'Alene, Ida.
19872)	"	" " "	Pinus monticola	Metaline Falls, Wash.
21335	"	" " "	DF, windthrown slash	Metaline Falls, Wash.
18692	"	" betulae Hopk.	Betula occidentalis	Metaline Falls, Wash.
21994	"	" confusus Sw.	Abies lasiocarpa	Wapiti, Wyo.
16905-a	"	" " "	Abies grandis	Coeur d'Alene, Ida.
17213-B	"	" " "	D.m. att. WBP	Y.N.Park, Wyo.
1690-a	"	" " "	Eng. spruce	Lakeview, Ida.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
20240	Scolytidae	Dryocoetes pseudotsugae Sw.	Douglas fir, windthrown slash	Metaline Falls Wash.
20263	"	Gnathotrichus retusus (Lec.)	Pinus ponderosa associate att. by I.o.	Coeur d'Alene, Ida.
No no.	"	" sulcatus (Lec.)	Abies grandis	Coeur d'Alene, Ida.
18489	"	Hylastes macer (Lec.)	Collected in flight	Coeur d'Alene, Ida.
22103	"	" longicollis Sw.	Collected in flight in WWP stand	Coeur d'Alene, Ida.
18490	"	" nigrinus Mann.	Collected from D.pseud. att. DF	Metaline Falls, Wash.
18491	"	" ruber Sw.	D.m. att. LP	Seeley Lake, Mont.
No no.	"	Hylastinus obscurus Mars.	Alfalfa roots	Boise, Ida.
20123	"	Hylurgops lecontei Sw.	Col. in flight	Afton, Wyo.
16916-a	"	" " "	Collected from D.m. att. LP	Seeley Lake, Mont.
18487	"	Hylurgops lecontei Sw.	Collected from D.m. att. PP	Sula, Mont.
18486	"	" porosus Lec.	Collected from D.m. killed LP	Sula, Mont.
22057	"	" " Lec.	Collected from D.ponderosa att. LP	Kamas, Utah
16902-a	"	" rugipennis Mann.	Collected from D.m. att. WWP	Coeur d'Alene, Ida.
18488	"	" " Mann.	Collected from D.m. att. LP	Sula, Mont.
21443	"	" " "	Collected from D.pseud. att. DF	Metaline Falls, Wash.
16310-a	"	" subcostulatus Mann.	Collected from D.brev. att. PP	Coeur d'Alene, Ida.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
20272	Scolytidae	Ips chamberlini Sw.	Collected from LP	Y.N.P., Wyo.
19875	"	" dubius Sw.	Collected from Eng. spruce windfall	Metaline Falls, Wash.
16998-a	"	" emarginatus Lec.	Collected from PP	Nelson, Mont.
17238-a	"	" " "	Collected from LP	Sula, Mont.
19875	"	" engelmanni Sw.	Collected from Picea engelmanni windfall	Metaline Falls, Wash.
21917	"	" guildi Blkm.	Collected from Pinus albicaulis	Sheridan, Mont.
21993	"	" " "	Collected from LP	Bozeman, Mont.
16329-a	"	" integer Eich.	Collected from pinus ponderosa	Coeur d'Alene, Ida.
22054	"	" " "	Collected from Picea engelmanni	Kamas, Utah
17225-a	"	" " "	Collected from LP	Philipsburg, Mont.
19956	"	" sp. near interruptus Mann.	Collected from P PP	Viola, Ida.
16368-a	"	" latidens Lec.	Collected from WWP	Coeur d'Alene, Ida.
16935	"	" " "	Collected from LP	Sula, Mont.
16312-a	"	" oregoni Eich.	Collected from PP	Coeur d'Alene, Ida.
17220-a	"	" " "	Collected from LP	Philipsburg, Mont.
16904-a	"	" pilifrons Sw.	Collected from Eng. spruce	Coeur d'Alene, Ida.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
16960-a	Scolytidae	Ips ponderosae Sw.	Collected from PP	Clancy, Mont.
16906-B	"	" radiatae Hopk.	Collected from LP	Coeur d'Alene Ida.
16935-a	"	" " "	Collected from LP	Glacier N.P., Mont.
16358-a	"	" vancouveri Sw.	Collected from WWP	Prichard, Ida
17255-a	"	" " "	Collected from WWP	Coeur d'Alene Ida.
22050	"	Myloborus catulus Blkm.	Collected from LP	Yellowstone N.P., Wyo.
21849	"	" iniquus Blkm.	Collected from Pinus flexilis	Wapiti, Wyo.
16372-6	"	Orthotomicus caelatus Eich.	Collected from D.m. att. WWP limbs & tops	Coeur d'Alene, Ida.
20239	"	" " " ~~Eich.~~	Collected from D.pseud. att. DF	Metaline Falls Wash.
22018	"	" " "	Collected from limbs of ES att. by D.engelmanni	Pray, Mont.
20080	"	" " "	Collected from I.o. att. PP limbs & tops	Coeur d'Alene, Ida.
16359-B	"	" ornatus Sw.	Collected from D.m. att. WWP	Coeur d'Alene, Ida.
22053	"	" "	Reared from M. californica att. PP	Riggins, Ida.
19763	"	Phloeosinus kaniksu Blkm.	Collected from Thuja plicata windfall	Metaline Falls, Wash.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
18694	Scolytidae	Phloeosinus rusti Blkm.	Collected from Thuja plicata	Metaline Falls Wash.
16995-a	"	Phthorophloeus puberulus Lec.	Collected from DF	Glacier N.P., Mont.
16334-a	"	Pityogenes carinulatus Lec.	Collected from PP reproduction	Coeur d'Alene, Ida.
16346-a)	"	" fossifrons Lec.	Collected from D.m. att. WWP tops	Coeur d'Alene, Ida.
21918)	"	" " "	Collected from D.m. att. WBP	Sheridan, Wyo.
17220-B	"	" knechteli Sw.	Collected from LP	Philipsburg, Mont.
16968-a	"	" " "	Collected from LP	Glacier N.P., Mont.
17258-a	"	" " "	Collected from D.pseud. att. DF	Gallatin N.F., Mont.
16905-B	"	Pityokteines elegans Sw.	Collected from Abies grandis	Coeur d'Alene, Ida.
19732-1	"	" " "	Collected from PP	Spokane, Wash.
19786	"	" " "	Adults collected from WWP att. by D.m.	Coeur d'Alene, Ida.
21442	"	" " "	Collected from D. pseud. att. DF	Metaline Falls Wash.
16996-a	"	" minutus Sw.	Collected from Abies lasiocarpa	Glacier N.P., Mont.
21919	"	Pityophthorus albertensis Blkm.	Collected from D.m. att. Pinus albicaulis (tops and limbs)	Sheridan, Mont.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
22049	Scolytidae	Pityophthorus albertensis Blkm.	Collected from D.m. att. LP	West Yellowstone, Mont.
No no.	"	" burkei Blkm.	Collected from D.m. att. LP tops	Sula, Mont.
22052		" " "	Collected from M. californica att. PP	Higgins, Ida.
17214-a	"	" sp. near carmeli Sw.	Collected from WBP	Yellowstone N.P., Wyo.
20262	"	" confertus Sw.	Collected from PP slash	Coeur d'Alene, Ida.
20081	"	" confinus Lec.	Collected from PP slash	Coeur d'Alene, Ida.
16934-a	"	" demissus Blkm.	Collected from Abies lasiocarpa	Glacier N.P., Mont.
16971-a	"	" fuscus Blkm.	Collected from LPP	Glacier N.P., Mont.
21991	"	" gracilis Sw.	Collected from LPP	Bozeman, Mont.
20261	"	" idoneus Blkm.	Collected from PP slash	Coeur d'Alene, Ida.
21991	"	" murrayanae Blkm.	Collected from LPP	Bozeman, Mont.
16951-a	"	" pseudotsugae Sw.	Collected from Abies grandis	Coeur d'Alene, Ida.
20263	"	" retusus Lec.	Collected from PP slash	Coeur d'Alene, Ida.
17235-c	"	" sp. near serratus	Collected from LPP	Sula, Mont.
17218-a	"	" sp. near torreyanae Sw.	Collected from PP	Coeur d'Alene, Ida.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
21875	Scolytidae	Pityophthorus tuberculatus Eichh.	Collected from small PP limbs (slash)	Coeur d'Alene Ida.
19416	"	Platypus wilsoni Sw.	Collected from Abies grandis	Weippe, Idaho
20240	"	Polygraphus rufipennis Kby.	Collected from D.pseud. att.DF	Metaline Fall Wash.
17224-a	"	" " "	Collected from Eng. spruce	Coeur d'Alene, Ida.
16908-a	"	Pseudohylesinus dispar. Blkm.	Collected from Abies grandis	Coeur d'Alene, Ida.
19937	"	" granulatus Lec.	Collected from Abies grandis	Metaline Falls Wash.
20204	"	" nebulosus Lec.	Collected from DF	Metaline Falls Wash.
17217-a	"	" " "	Collected from DF	Coeur d'Alene, Ida.
22022	"	Scierus annectens Lec.	Collected from Eng. spruce att. by D. eng.	Pray, Mont.
16952	"	Scolytus abietis Blkm.	Collected from Abies grandis	Coeur d'Alene, Ida.
16306-B	"	" laricis Blkm.	Collected from Larix occidentalis	Coeur d'Alene, Ida.
19486	"	" monticolae Sw.	Collected from DF	Coeur d'Alene, Ida.
20224	"	" " "	Collected from DF	Metaline Falls, Wash.
18492	"	" picea Sw.	Collected from Eng. spruce	Glacier N.P., Mont.
19957	"	" " "	Collected from Eng. spruce	Sula, Mont.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
21881	Scolytidae	Scolytus tsugae Sw.	Collected from Tsuga heterophylla	Coeur d'Alene, Ida.
21340	"	Scolytus unispinosus Lec.	Collected from DF	Metaline Falls Wash.
21881	"	" ventralis Lec.	Collected from Tsuga heterophylla	Coeur d'Alene, Ida.
20243-1	"	" " "	Collected from Abies grandis	Coeur d'Alene, Ida.
20243	"	" " "	Collected from DF	Metaline Falls Wash.
19839	"	Trypodendron betulae Sw.	Collected from Betula occidentalis	Metaline Falls Wash.
16369-a	"	" bivvitatum Kby.	Collected from WWP	Lakeview, Ida.
20212	"	" " "	Collected from DF	Metaline Falls Wash.
22055	"	" " "	Collected from LPP	Kamas, Utah
16370-d	"	" " "	Adults collected from galleries in 24" ES windfall	Coeur d'Alene, Ida.
21916	"	" " "	Adults collected from under bark of D.m. att. ES	Dillon, Mont.
22021	"	" " "	Adults collected from under bark of D. engelmanni att. ES	Pray, Mont.
17214-B	"	" borealis Sw.	Collected from Pinus albicaulis	Yellowstone N.P., Wyo.
17224-B	"	" " "	Collected from Eng. spruce	Coeur d'Alene, Ida.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
22016	Scolytidae	Trypodendron cavifrons Mann.	Adults collected from sapwood of WWP	Coeur d'Alene, Ida.
19907	"	" retusus Lec.	Collected from Populus tremuloides	Metaline Falls Wash.
17221-a	"	" rufitarsis Kby.	Collected from LPP	Philipsburg, Mont.
19765-2	"	" " "	Collected from LPP	Metaline Falls Wash.
16386-a	"	Trypophloeus rusti n. sp. Blkm.	Collected from Alnus tenufolia	Coeur d'Alene, Ida.
19959	"	Xylechinus montanus Blkm.	Collected from Larix occidentalis	Glacier N.P., Mont.
19960	"	" " "	Collected from Eng. spruce	Sula, Mont.
19879	Scophidiidae	Scaphisoma convexum (Say.)	Collected from D.m. att. WWP	Metaline Falls Wash.
20210	Silphidae	Agathidium revolvens Lec.	Coll. from base of D.pseud. att. DF	Metaline Falls, Wash.
19518-1	"	Leiodes globosa (Lec.)	Collected from D.m. att. LP	Wisdom, Mont.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
19787	Silphidae	Leiodes sp.	Collected from D.m. att. WWP	Metaline Falls Wash.
21846-M	Staphylinidae	Aleochara sp.	Collected from driftwood	Coeur d'Alene Lake, Ida.
	"	Atheta sp.	Collected from D.pseud. att. DF	Metaline Falls Wash.
19892	"	Baptolinus macrocephalus (Nordm.)	Collected from D.m. att. WWP	Metaline Falls Wash.
21414	"	Baryodoma bimaculata Grav.	Caught in weather vane insect trap at high elevation	Metaline Falls Wash.
21846-M	"	Bledius sp.	Collected from driftwood	Coeur d'Alene, Ida.
16332	"	Eumalus nigrella Lec.	Collected from D.brev. att. PP	Coeur d'Alene, Ida.
21434	"	" " "	Collected from D.pseud. att. DF	Metaline Falls Wash.
21846-N	"	Gyrohypnus sp.	Collected from driftwood	Coeur d'Alene Lake, Ida.
18614	"	Gyrophaena sp.	Collected from D.m. att. LP	Sula, Mont.
16335-c	"	Leptusa sp.	Collected from D.brev. att. PP	Coeur d'Alene, Ida.
16347-a	"	Nudobius cephalus Say.	~~Collected from~~ D.brev. att. PP	Kellogg, Ida.
19812-3	"	Nudobius pugetanus Csy.	Reared from D.m. att. WWP	Metaline Falls Wash.
20211	"	" " "	Reared from D.pseud. att. DF	Metaline Falls Wash.
20222	"	Omalium pusillum Grav.	Reared from DF att. by D.pseud.	Metaline Falls Wash.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
16335-C	Staphylinidae	Omalium pusillum Grav.	Adults collected from under bark of tree killed by D. brev.	Coeur d'Alene, Ida.
21842-2	"	Philonthus furvus var. californicus Mann.	Collected from driftwood	Coeur d'Alene Lake, Ida.
21846-M)	"	Philonthus caurinis Horn	Collected from driftwood	Coeur d'Alene Lake, Ida.
21846-M)	"	" longicornis Steph.		
17278	"	Phloeonomus pusillus Grav.	Collected from D.m. att. LP	Sula, Mont.
		" " "	Reared from bark of DF att. by D.pseud.	Metaline Falls Wash.
16335-c	"	Placusa sp.	Collected from D.brev. att. Pinus ponderosa	Coeur d'Alene, Ida.
21846-o	"	Platystethus americanus Er.	Collected from driftwood	Coeur d'Alene Lake, Ida.
19855-1	"	Quediomuchus laevigatus Gyll.	Collected from D.m. att. WWP	Metaline Falls, Wash.
17280	"	Quedius longipennis Mann.	Collected from D.m. att. LP	Sula, Mont.
20208	"	" marginalis Maklin	Collected from D.pseud. att. DF	Metaline Falls, Wash.
19906	"	" peregrinus (Grav.)	Collected from D.m. att. WWP	Metaline Falls, Wash.
19889	"	Stenus maritimus Mots.	Collected from outside bark surface D.m. att. WWP	Metaline Falls, Wash.
19894	"	Tachyporus californicus Horn	Collected from OBS D.m. att. WWP	Metaline Falls, Wash.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
21846.0	Staphylinidae	Trogophloeus sp.	Collected from driftwood	Coeur d'Alene Lake, Ida.
22041	Tenebrionidae	Alphitophagus bifasciatus (Say.)	Collected from stored wheat	Coeur d'Alene, Ida.
19525	"	Bius estriatus Lec.	Collected from *D.m.* att. LP	Sula, Mont.
19828	"	" " "	Collected from *D.m.* att. WWP	Metaline Falls, Wash.
21857	"	Doliema pallida Say.	Collected from Acer sp.	Salt Lake City, Utah
No no.	"	Elodes sp.	From ground	Coeur d'Alene, Ida.
21846-J	"	Helops californicus Mannh.	Collected from driftwood	Coeur d'Alene, Ida.
17242	"	" convexulus Lec.	Collected from PP reproduction	Miles City, Mont.
19742-4	"	Hypophloeus glaber Lec.	Collected from *D.m.* att. WWP	Metaline Falls, Wash.
19593	"	" parallelus Melsh.	Collected from *D.m.* att. LP	Sula, Mont.
20057	"	" " "	Collected from *I.o.* att. PP	Coeur d'Alene, Ida.
20235	"	" substriatus Lec.	Collected from D.pseud. att.DF	Metaline Falls, Wash.
22086	"	" near substriatus Lec.	Reared from M. gentilis att. PP	Riggins, Ida.
No no.	"	Iphthimus sp.	From ground	Coeur d'Alene, Ida.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
16355-B	Tenebrionidae	Platydema oregonense Lec.	Collected from fungus on outside dead DF	Coeur d'Alene, Ida.
22071	"	Platydema sp.	Reared from M. gentilis att. PP	Riggins, Ida.
22068	"	Tenebrio obscurus Fab.	Flight	Spokane, Wash.

COLEOPTERA

Native Alder, Birch, Cottonwood, and Willow
(*Alder* sp., *Betuha occidentalis*, *Populus trichocarpa*, and *Salix* sp.)

Hopk. U.S. No.	Family	Genera - species	Portion of host from which col.	Locality
21943	Buprestidae	Agrilus politus Say.	Killing large number of willows on side hills in assn. with willow weevils	Coeur d'Alene, Ida.
17227a	Chrysomelidae	Altica bimarginata Say.	Defoliator of native cottonwood and alder	Coeur d'Alene, Ida.
21892	"	" sp.	Defoliator of native willows	Coeur d'Alene, Ida.
21858	"	Gallerucella punctipennis Mann.	Defoliator of native cottonwoods	Coeur d'Alene, Ida.
21824	"	Lina scripta (Fab.)	Defoliator of native cottonwoods	Coeur d'Alene, Ida.
20109	"	Phytodecta americana Schffr.	Defoliator of native willows	Coolin, Ida.
20116	Curculionidae	Cryptorhynchus lapathi(L.)	Very destructive to native willows & cottonwoods	Priest River & Coeur d'Alene, Ida.
21893	Nitidulidae	Glischrochilus quadrisignatus (Say.)	Reared from willow att. by willow weevil	Coeur d'Alene, Ida.

Hopk. U.S. No.	Family	Genera - species	Portion of host from which col.	Locality
19692	Scolytidae	Dryocoetes betula Hopk.	Adults collected from galleries between bark & wood of Betula occidentalis	Metaline Falls, Wash.
19639	"	Trypodendron betulae Sw.	Adults collected from sapwood of Betula occidentalis	Metaline Falls, Wash.
19907	"	Trypodendron retusus Lec.	Adults collected from sapwood of Populus tremuloides	Metaline Falls, Wash.
16386-a	"	Trypophloeus rusti n. sp. Blkm.	Collected from small galleries between bark and wood of Alnus tenufolia	Coeur d'Alene, Ida.

COLEOPTERA

Alpine Fir
(*Abies lasiocarpa*)

Hopk. U.S.No.	Family	Genera - species	Portion of host from which col.	Locality
19808-1	Colydiidae	Lasconotus subcostulatus Kraus.	Adults collected from galleries of *P. elegans* in *A. lasiocarpa*	Metaline Falls, Wash.
16970-a	Curculionidae	Pissodes burkei (Hopk.)	Adults collected from cambium, alpine fir	Glacier N.P., Mont.
18675	"	" " "	Found killing small groups of *Abies lasiocarpa*	Yellowstone N.P., Wyo.
16942-a	Scolytidae	Cryphalus amabilis Chamb.	Adults collected from cambium layer	Glacier N.P., Mont.
21994	"	Dryocoetes confusus Sw.	Adults collected from inner bark	Wapiti, Wyo.
16996-a	"	Pityokteines minutus Sw.	Adults collected from galleries in dead limbs	Glacier N.P., Mont.
16934-a	"	Pityophthorus demissus Blkm.	Adults collected from small galleries at internodes of branches	Glacier N.P., Mont.

COLEOPTERA

Douglas Fir
(Pseudotsuga taxifolia)

Hopk. U.S.No.	Family	Genera - species	Portion of host from which col.	Locality
16391-a	Buprestidae	Anthaxia aeneogaster Cast.	Reared from DF	Coeur d'Alene, Ida.
21894	"	" deleta Lec.	Reared from DF limbs	Coeur d'Alene, Ida.
—	"	Buprestis fasciata var. langi Mann.	Females collected while ovipositing on windthrown DF	Coeur d'Alene, Ida.
16300-a	"	" maculativentris var. rusticorum Kirby	Females collected while ovipositing on windthrown DF	Metaline Falls, Wash.
16984-a	"	Chrysobothris pseudotsugae V.D.	Females collected while ovipositing on windthrown DF	Coeur d'Alene, Ida.
19722	"	" trinervia (Kirby)	Females collected while ovipositing on windthrown DF	Sula, Mont.
21336	"	Dicerca crassicolis Lec.	Collected from outer bark surface of DF	Metaline Falls, Wash.
20279	"	Melanophila drummondi Kby.	Reared from DF bark	Metaline Falls, Wash.
—		" " "	Reared from DF bark	McCall, Ida.
—	Cerambycidae	Acanthocinus obliquus (Lec.)	Collected from outer bark surface of DF one year after att. by D. pseud.	Metaline Falls, Wash.
21341	"	Anoplerda aspera Lec.	Collected from outer bark surface of D.pseud. att. DF	Metaline Falls, Wash.

Hopk. U.S.No.	Family	Genera - species	Portion of host from which col.	Locality
———	Cerambycidae	Anoplerda canadensis(Oliv.)	Females col. while ovipositing in DF att. the previous season by D.pseud.	Metaline Falls, Wash.
16992-a	"	Callidium antennatum var. hesperum Csy.	Females col. while ovipositing on windthrown DF being att. by D.pseud.	Metaline Falls, Wash.
———	"	Clytus planifrons (Lec.)	Adults col. from bark of trees being att. by D.pseud.	Metaline Falls, Wash.
21895	"	Holopleura marginata Lec.	Reared from dead DF limbs	Coeur d'Alene, Ida.
———	"	Leptura obliterata (Hald.)	Adults col. from bark of DF att. the previous season by D.pseud.	Metaline Falls, Wash.
21348	"	Monochamus notatus(Drury)	Females col. while ovipositing on DF abandoned by D.pseud.	Metaline Falls, Wash.
———	"	" obtusus Csy.	Reared from DF	Riggins, Ida.
21345	"	" oregonensis Lec.	Females col. while ovipositing on DF abandoned by D.pseud.	Metaline Falls, Wash.
———	"	Phymatodes dimidiatus (Kirby)	Females col. while ovipositing on DF abandoned by D.pseud.	Metaline Falls, Wash.
21914	"	Semanotus nicolas (White)	Adults reared from DF fuel stored during winter	Coeur d'Alene, Ida.
20206	"	Stenocorus lineatum Oliv.	Females col. while ovipositing on DF att. by D. pseud.	Metaline Falls, Wash.
20209	"	Tetropium velutinum Lec.	Reared from D.pseud. att. DF	Metaline Falls, Wash.

Hopk. U.S.No.	Family	Genera - species	Portion of host from which col.	Locality
20213	Cerambycidae	Xylotrechus undulatus Say.	Reared from D.pseud. att. DF	Metaline Falls, Wash.
———	Cleridae	Enoclerus lecontei Wolc.	Col. from DF att. by D.pseud.	Metaline Falls, Wash.
20201	"	Enoclerus sphegeus Fabr.	Adults col. from outer bark surface of D. pseud. att. DF	Metaline Falls, Wash.
20202	"	Thanismus dubius Fabr.	Predator on D. pseud. in DF	Metaline Falls, Wash.
16300-B	Colydiidae	Deretaphrus oregonensis Horn.	Col. from cambium of DF killed by the DF beetle	Coeur d'Alene, Ida.
20246	Cryptophagidae	Atomaria sp.	Col. from DF att. by D.pseud.	Metaline Falls, Wash.
21337	"	Cryptophagus maximus Blake	Col. from DF att. by D.pseud.	Metaline Falls, Wash.
21302	"	Salebius tarsalis Csy.	Col. from D.pseud. att. Douglas fir	Metaline Falls, Wash.
19962	Cucujidae	Cucujus clavipes var. puniceus Mann.	Col. from under bark on DF cordwood	Coeur d'Alene, Ida.

Hopk. U.S.No.	Family	Genera - species	Portion of host from which col.	Locality
21998	Curculionidae	Pissodes fasciatus Lec.	Col. from under bark of DF att. by spruce budworm	Wapiti, Wyo.
21305	Elateridae	Elater nigrinis Hbst.	Col. while ovipositing on bark of D.pseud. att. DF	Metaline Falls, Wash.
21438	Histeridae	Isomalus mancus Csy.	Reared from DF att. by D.pseud.	Metaline Falls, Wash.
21435	Lathridiidae	Enicmus sp.	Reared from DF att. by D.pseud.	Metaline Falls, Wash.
20242	Melandryidae	Serropalpus barbatus (Schall)	Reared from DF att. by D.pseud.	Metaline Falls, Wash.
20221	"	Zilora nuda Prov.	Reared from DF att. by D.pseud.	Metaline Falls, Wash.
20244	Nitidulidae	Epuraea truncatella Mann.	Col. from DF att. by D.pseud.	Metaline Falls, Wash.
21367	Ostomidae	Temnochila virescens var. chlorida Mann.	Adults and larvae col. from DF att. by D. pseud.	Metaline Falls, Wash.

Hopk. U.S.No.	Family	Genera - species	Portion of host from which col.	Locality
20216	Rhizophagidae	Rhizophagus dimidiatus Mann.	Collected from DF att. by *D. pseud.*	Metaline Falls, Wash.
21859	Scarabaeidae	Dichelonycha backi Kby.	Collected from DF foliage	Mountain Home, Ida.
20233	Scolytidae	Crypturgus borealis Sw.	Col. from DF att. by *D.pseud.*	Metaline Falls, Wash.
16384-a	"	Dendroctonus pseudotsugae Hopk.	Serious pest in DF, killing many trees	Coeur d'Alene, Ida.
20200	"	" " "		Metaline Falls, Wash.
21429	"	" valens Lec.	Attacks base of trees att. by *D. pseud.*	Metaline Falls, Wash.
21335	"	Dryocoetes affaber (Mann.)	Col. from windthrown slash	Metaline Falls, Wash.
20241	"	" pseudotsugae Sw.	Col. from windthrown slash	Metaline Falls, Wash.
18490	"	Hylastes nigrinus (Mann.)	Col. from D.pseud. att. DF, crown, tops, and limbs	Metaline Falls, Wash.
21443	"	Hylurgops rugipennis Mann.	Col. from *D. pseud.* att. DF, crown, tops, and limbs	Metaline Falls, Wash.
20239	"	Orthotomicus caelatus Eich.	Col. from *D. pseud.* att. DF, crown, tops, and limbs	Metaline Falls, Wash.
16995-a	"	Phthorophloeus puberulus Lec.	Col. from *D.pseud.*att. DF, crown, tops, and limbs	Glacier N.P., Mont.

Hopk. U.S.No.	Family	Genera - species	Portion of host from which col.	Locality
17258-a	Scolytidae	Pityogenes knechteli Sw.	Col. from DF att. by *D.pseud.*	Gallatin N.F., Mont.
21442	"	Pityokteines elegans Sw.	Col. from *D.pseud.* att. DF, crown, tops and limbs	Metaline Falls, Wash.
20240	"	Polygraphus rufipennis Kby.	Col. from small tops and limbs of DF att. by *D. pseud.*	Metaline Falls, Wash.
20204	"	Pseudohylesinus nebulosus Lec.	Col. from small standing DF	Metaline Falls, Wash.
17217a	"	" " "	Col. from small standing DF	Coeur d'Alene, Ida.
19486	"	Scolytus monticolae Sw.	Col. from small standing DF	Coeur d'Alene, Ida.
20224	"	" " "	Col. from small standing DF	Metaline Falls,
21340	"	" unispinosus Lec.	Col. from tops of large *D.pseud.* trees and small standing DF	Metaline Falls, Wash.
20243	"	" ventralis Lec.	Col. from tops of large *D. pseud.* trees and small standing DF	Metaline Falls, Wash.
21212	"	Trypodendron bivittatum Kby.	Col. from bases of DF trees att. by *D.pseud.*	Metaline Falls, Wash.
19879	Silphidiidae	Agathidium revolvens Lec.	Col. from under bark of DF att. by *D.pseud.*	Metaline Falls, Wash.

Hopk. U.S.No.	Family	Genera - species	Portion of host from which col.	Locality
———	Staphylinidae	Atheta sp.	Col. from under bark of D.pseud. att. DF	Metaline Falls, Wash.
21434	"	Emualus nigrella Lec.	Col. from under bark of D.pseud. att. DF	Metaline Falls, Wash.
20211	"	Nudobius pugetanus Csy.	Reared from DF bark from tree att. by D.pseud.	Metaline Falls, Wash.
20222	"	Omalium pusillum Grav.	Reared from DF bark from tree att. by D.pseud.	Metaline Falls, Wash.
———	"	Phloeonomus pusillus (Grav.)	Reared from DF bark from tree att. by D.pseud.	Metaline Falls, Wash.
20208	"	Quedius marginalis Maklin	Reared from DF bark from tree att. by D.pseud.	Metaline Falls, Wash.
20235	Tenebrionidae	Hypophloeus substriatus Lec.	Col. from under bark of DF killed by D.pseud.	Metaline Falls, Wash.
	"	Platydema oregonense Lec.	Col. from fungus growth on outer bark of DF	Coeur d'Alene, Ida.

COLEOPTERA

Engelmann Spruce
(*Picea engelmanni*)

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
19537	Anobiidae	Microbregma emarginatus bar. granicollis Fall.	Col. in bark of of healthy tree	Sula, Mont.
16342-E	"	Utobium elegans (Horn)	Col. from under bark of ES wind-fall att. by Scolytidae	Coeur d'Alene, Ida.
21942	Curculionidae	Pissodes coloradensis Hopk.	Reared from Engelmann spruce	Port Hill, Ida.
21812	"	" engelmanni (Hopk.)	Col. from leaders of ES	Coeur d'Alene, Ida.
16317-D	Histeridae	Paromalus sp.	Col. from ES att. by D. engelmanni	Coeur d'Alene, Ida.
19508-3	Rhizophagidae	Rhizophagus procerus Csy.	Col. from insect killed ES	Sula, Mont.
22011	Scolytidae	Crypturgus borealis Sw.	Adults col. from under bark of ES att. by D. engelmanni	Pray, Mont.
	"	Dendroctonus engelmanni Hopk.	Adults col. from galleries in cambium of of ES killed by these beetles	Coeur d'Alene, Ida. Metaline Falls,
	"	Dendroctonus monticolae Hopk.	Adults col. from galleries fr tree killed by this bark beetle	Sula, Mont.

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
16317-B	Scolytidae	Dryocoetes affaber (Mann.)	Adults col. from cambium in association with other bark beetles	Coeur d'Alene, Ida.
16910-a	"	Dryocoetes confusus Sw.	Adults col. from cambium in association with other bark beetles	Lakeview, Ida.
19875	"	Ips dubius Sw.	Adults col. from ES windfall	Metaline Falls, Wash.
19875	"	" engelmanni Sw.	Adults col. from ES windfall	Metaline Falls, Wash.
22054	"	" integer Eich.	Adults col. from top and limbs of windfall	Kamas, Utah
16904-a	"	" pilifrons Sw.	Adults col. from large ES windfall	Coeur d'Alene, Ida.
22018	"	Orthotomicus caelatus Eich.	Adults col. from limbs of ES att. by *D.* engelmanni	Pray, Mont.
17224-a	"	Polygraphus rufipennis Kby.	Adults col. from from ES windfall	Coeur d'Alene, Ida.
———	"	Scierus annectens Lec.	Col. from ES killed by att. of *D.engelmanni*	Metaline Falls, Wash.
22022	"	" " "	Col. from ES killed by att. of *B.engelmanni*	Pray, Mont.
18492)	"	Scolytus piceae Sw.	Col. from cambium of ES	Glacier N.P.,
19957)	"	" " "	Col. from cambium of ES	Sula, Mont.

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
16370-d	Scolytidae	Trypodendron bivittatum Kby.	Adults col. from galleries in 24-inch ES windfall	Coeur d'Alene, Ida.
21916	"	" " "	Adults col. from under bark of ES att. by *D.m.*	Dillon, Mont.
22021	"	" " "	Adults col.from under bark of ES att. by *D. engelmanni*	Pray, Mont.
17224-B	"	Trypodendron borealis Sw.	Adults col. from sapwood of ES windfall	Coeur d'Alene, Ida.
19960	"	Xylechinus montanus Blkm.	Adults col. from small ES suppressed tree	Sula, Mont.

COLEOPTERA

Limber Pine
(Pinus flexilis)

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
19410	Scolytidae	Conophthorus flexilis Hopk.	Col. from core of unopened cones	Dillon, Mont.
———	"	Dendroctonus monticolae Hopk.	Col. from galleries between bark & wood	" "
20122	"	" ponderosae	Col. from bole of Pinus flexilis	Southeastern Wyoming
21849	"	Myloborus iniquus Blkm.	Adults col. from galleries in small twigs	Wapiti, Wyo.

COLEOPTERA

Lodgepole Pine
(*Pinus contorta*)

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
19539	Bostrichidae	Stephanopachys sobrinus Csy.	Col. from under bark of LP att. by *D.m.*	Sula, Mont.
19406	Buprestidae	Chrysobothris breviloba Fall	Col. from outer bark surface LP	Sula, Mont.
18475	"	Dicerca tenebrosa Kby.	Col. from outer bark surface LP	Sula, Mont.
18478	"	Melanophila intrusa Horn	Col. from outer bark surface LP att. by *D.m.*	Sula, Mont.
19513-1	Carabidae	Tachyta angulata Csy.	Col. from under bark of *D.m.* att. LP	Sula, Mont.
19616	Cerambycidae	Leptacmaeops alticola Csy.	Reared from *D.m.* att. LP	Sula, Mont.
18601	"	Nothorhina aspera Lec.	Col. from outer bark surface of D.m. att. LP	Sula, Mont.
—	"	Pogonocherus propinquus Fall	Col. from outer bark surface of *D.m.* att. LP	Sula, Mont.
17251-a	Cleridae	Thanasimus dubius Fabr.	Adults col. from outer bark surface *D.m.* att. LP	Sula, Mont.

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
18604	Colytiidae	Lasconotus complex Lec.	Col. from LP att. by D.m.	Sula, Mont.
18604-B	"	" simplex var. Lec.	Col. from LP att. by D.m.	Sula, Mont.
18604-C	"	" pertenuis Csy.	Col. from LP att. by D.m.	Sula, Mont.
19516	Cucujidae	Dendrophagus glaber Lec.	Col. from LP att. by D.m.	Sula, Mont.
18609	"	Laemophloeus angustulus Lec.	Col. from LP att. by D.m.	Sula, Mont.
18609	"	Narthecius monticola Fall	Col. from LP att. by D.m.	Sula, Mont.
19612	Elateridae	Elater brevis Van Dyke	Col. from outer bark surface of LP	Sula, Mont.
19603	"	Ludius aereipennis Kby.	Col. from outer bark surface of D.m. att. LP	Sula, Mont.
19607	"	" propola (Lec.)	Col. from outer bark surface of D.m. att. LP	Sula, Mont.
19606	"	" trundulatus Rand.	Col. from outer bark surface of D.m. att. LP	Sula, Mont.
19793-4	Histeridae	Plegaderus nitidus Horn	Adults col. from LP slash	Lolo Hot Spring Mont.

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
19602	Lathridiidae	Corticaria serrata Payk.	Col. from LP att. by D.m.	Sula, Mont.
19519	Melandryidae	Serropalpus serratus (Schall.)	Col. from outer bark surface of D.m. att. lodgepole pine	Sula, Mont.
19520	Melyridae	Malachius sp.	Col. from outer bark surface of D.m. att. LP and reared from D.m. att. LP	Sula, Mont.
19588	Nitidulidae	Epuraea linearis Makl.	Col. from LP att. by D.m.	Sula, Mont.
19511-2	"	Glischrochilus vittatus (Say.)	Col. from LP att. by D.m.	Sula, Mont.
19583	Orthoperidae	Sacium lugubre Lec.	Col. from outer bark surface of D.m. att. LP	Sula, Mont.
19524	Pythidae	Pytho sp.	Col. from LP att. by D.m.	Sula, Mont.

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
19508	Rhizophagidae	Rhizophagus procerus Csy.	Col. from LP att. by D.m.	Sula, Mont.
17268a	Scolytidae	Carphoborus ponderosae Sw.	Col. from cambium layer of LP	Bozeman, Mont.
————	"	Dendroctonus monticolae Hopk.	Col. and reared from standing tree	Sula, Mont.
	"	Dendroctonus murrayanae Hopk.	Col. from basal portion of LP	Washakie N.F., Wyo.
————	"	" valens Lec.	Col. from basal portion of LP	Hughesville, Mont., old Jefferson N.F.
18491	"	Hylastes ruber Sw.	Col. from LP att. by D.m.	Seeley Lake, Mont.
18487-a	"	Hylurgops lecontei Sw.	Col. from dead LP	Seeley Lake, Mont.
18486	"	" porosus Lec.	Col. from D.m. att. LP	Sula, Mont.
22057	"	" " "	Col. from D.m. att. LP	Kamas, Utah
18488	"	" rugipennis Mann.	Col. from D.m. att. LP	Sula, Mont.
20272	"	Ips chamberlini Sw.	Col. from LP	Yellowstone N.P., Wyo.
17238-a	"	Ips emarginatus Lec.	Adults col. from galleries in cambium layer LLP	Sula, Mont.
21993	"	Ips guildi Blkm.	Col. from LP	Bozeman, Mont.

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
17225-a	Scolytidae	Ips integer Eichh.	Col. from LP slash	Philipsburg, Mont.
16935	"	Ips latidens Lec.	Col. from small small LP dying from effect of this insect	Sula, Mont.
17220-a	"	Ips oregoni Eichh.	Col. from LP slash	Philipsburg, Mont.
16935-a	"	Ips radiatae Hopk.	Killing small LP adults col. from cambium	Glacier N.P., Mont.
16906-B	"	" " "	Col. from cambium small LP	Coeur d'Alene, Ida.
22050	"	Myeloborus catulus Blkm.	Reared from LP limbs	Yellowstone N.P., Wyo.
17220-b	"	Pityogenes knechteli Sw.	Col. from tops of LP att. by D.m.	Philipsburg, Mont.
22049	"	Pityophthorus albertensis Blkm.	Col. from LP att. by D.m.	West Yellowstone, Mont.
________	"	" burkei Blkm.	Col. from tops of LP att. by D.m.	Sula, Mont.
16971-a	"	" fuscus Blkm.	Col. from LP	Glacier N.P., Mont.
21991	"	" gracilis Sw.	Col. from cambium of LP	Bozeman, Mont.
"	"	" murrayanae Blkm.		
17236-C	"	" sp. near serratus	Col. from cambium of LP	Sula, Mont.
21875	"	" tuberculatus Eich.	Col. from cambium of small LP	Coeur d'Alene, Ida.

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
22055	Scolytidae	Trypodendron bivittatum Kby.	Col. from sapwood LP	Kamas, Utah
17221-a	"	" rufitarsis Kby.	Col. from sapwood LP	Philipsburg, Mont.
19518-1	Silphidae	Leiodes globosa (Lec.)	Col. from LP att. by D.m.	Wisdom, Mont.
18614	Staphylinidae	Gyrophaena sp.	Col. from LP att. by D.m.	Sula, Mont.
17278	"	Phloeonomus pusillus Grav.	Col. from LP att. by D.m.	Sula, Mont.
17280	"	Quedius longipennis Mann.	Col. from LP att. by D.m.	Sula, Mont.
19525	Tenebrionidae	Bius estriatus Lec.	Col. from LP att. by D.m.	Sula, Mont.
19593	"	Hypophloeus parallelus Melsh.	Col. from LP att. by D.m.	Sula, Mont.

COLEOPTERA

Lowland White Fir
(*Abies grandis*)

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
16392-a	Buprestidae	Melanophila acuminata DeG.	Col. from outer bark surface of *Abies grandis*	Coeur d'Alene, Ida.
22051	Melandryidae	Serropalpus barbatus (Schall.)	Reared from *Abies grandis*	Riggins, Ida.
19767	Scolytidae	Crypturgus borealis Sw.	Col. from cambium layer of dying white fir	Metaline Falls, Wash.
16905-a	"	Dryocoetes confusus Sw.	Col. from cambium layer of dying white fir	Coeur d'Alene, Ida.
———	"	Gnathotrichus sulcatus (Lec.)	Col. from sapwood near base of dying white fir	Coeur d'Alene, Ida.
16905-B	"	Pityokteines elegans Sw.	Col. from cambium layer of dying white fir	Coeur d'Alene, Ida.
16934-a	"	Pityophthorus demissus Blkm.	Col. from cambium layer of dying white fir	Glacier N.P., Mont.
16951-a	"	" pseudotsugae Sw.	Col. from cambium layer of dying white fir	Coeur d'Alene, Ida.

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
19416	Scolytidae	Platypus wilsoni Sw.	Col. from sapwood of white fir (standing trees)	Weippe, Ida.
16908-a	"	Pseudohylesinus dispar Blkm.	Col. from green cambium of larger WF windfall	Coeur d'Alene, Ida.
16592	"	Scolytus abietis Blkm.	Reared from section of small WF	Coeur d'Alene, Ida.
20243-1	"	" ventralis Lec.	Adults col. from cambium layer of WF killed by these insects	Coeur d'Alene, Ida.

COLEOPTERA

Ponderosa Pine
(*Pinus ponderosa*)

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
20058	Anobiidae	Ernobius sp.	Reared from PP infested by *Ips oregoni*	Coeur d'Alene, Ida.
19541	"	Microbregma emarginatus var. granicollis Fall	Col. from under bark of *D.m.* att. tree	Sula, Mont.
20068	Bostrichidae	Stephanopachys sobrinus Csy.	Reared from PP a att. by *Ips oregoni*	Coeur d'Alene, Ida.
16391a	Buprestidae	Anthaxia aeneogaster Cast.	Breeds in branches of large PP	Coeur d'Alene, Ida.
21896	"	Buprestis aurulenta Linn.	Adults col. from chambers in outer bark PP	Coeur d'Alene, Ida.
21814	"	" laeviventris (Lec.)	Females col. while ovipositing on PP slash	Coeur d'Alene, Ida.
15792a	"	Chalcophora angulicollis Lec.	Reared from PP stumps	Coeur d'Alene, Ida.
22072	"	Chrysobothris dolata Horn	Reared from PP infested by *Melanophila californica*	Riggins, Ida.

Hopk. U.S. No.	Family	Genus - species	Portion of host from which col.	Locality
———	Buprestidae	Chrysobothris dolata Horn	Females col. while ovipositing on outer bark surface of PP windfall	Coeur d'Alene, Ida.
15797-d	"	Dicerca tenebrosa Kby.	Adults col. from outer bark surface of PP slash. Breeds in dead PP	Coeur d'Alene, Ida.
22008	"	Melanophila californica V.D.	Reared from standing PP & slash	Riggins, Ida.
22064	"	Melanophila gentilis Lec.	Reared from standing PP & slash	Riggins, Ida.
———	Cerambycidae	Acanthocinus obliquus (Lec.)	Reared from PP att. by Melanophila californica & gentilis	Riggins, Ida.
18679	"	" princeps (Walk.)	Col. from PP	Weiser, Ida.
16989	"	Anoplerda canadensis Oliv.	Adults reared from PP stump	Coeur d'Alene, Ida.
18633	"	Anthophilax mirificus Bland.	Adults col. from under bark of D.m. att. PP	Sula, Mont.
16357a	"	Asemum atrum Esch.	Adults col. in flight and reared from PP slash att. by I.o.	Coeur d'Alene, Ida.
20082	"	Callidium antennatum var. hesperum Csy.	Adults reared from stored stove wood	Coeur d'Alene, Ida.

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
16986a	Cerambycidae	Ergates spiculatus Lec.	Adults reared from stumps and roots of dead standing trees	Coeur d'Alene, Ida.
16978-a	"	Monochamus maculosus	Adults reared from I.o. att. PP slash and standing trees att. by M. gentilis and californica	Coeur d'Alene, Ida. Riggins, Ida.
16977aa	"	" obtusus Cay.	Adults reared from I.o. att. PP slash	Coeur d'Alene, Ida.
20044	"	Neoclytus muricatulus Kby.	Adults col. from outer bark surface of PP slash att. by I.o.	Coeur d'Alene, Ida.
20061	"	Phymatodes dimidiatus Kby.	Adults col. from outer bark surface of PP slash att. by I.o.	Coeur d'Alene, Ida.
20083	"	Semanotus nicolas White	Reared from stored stove wood & col. from outer bark of PP slash att. by I.o.	Coeur d'Alene, Ida.
163530	"	Spondylis upiformis Mann.	Col. in flight and reared from egg stage in PP roots	Coeur d'Alene, Ida.
16350a	"	Stenocorus lineatum Oliv.	Adults reared from PP slash infested by I.o.	Coeur d'Alene, Ida.
16989a	"	Tragosoma depsarium var. harrisi Lec.	Col. in flight and from decaying PP logs	Coeur d'Alene, Ida.

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
	Cleridae	Enoclerus sphegeus Fabr.	Adults and larvae predacious on D. brev. and I. o. larvae and adults in PP	Coeur d'Alene, Ida.
18644	"	Thanismus nigriventris Lec.	Adults col. from outer bark surface of D. brev. att. PP	Coeur d'Alene, Ida.
16328	Colydiidae	Aulonium longum Lec.	Reared from PP att. by I. o.	Coeur d'Alene, Ida.
19521	"	Deretrapus oregonensis Horn	Col. from under bark of D. brev. att. PP	Coeur d'Alene, Ida.
20066	"	Lasconotus complex Lec.	Reared from PP att. by I. o.	Coeur d'Alene, Ida.
16329-b	"	" subcostulatus Kraus.	Col. from PP att. by D. brev.	Coeur d'Alene, Ida.
20057	Cryptophagidae	Henoticus serratus (Gyll.)	Reared from PP att. by I. o.	Coeur d'Alene, Ida.
19962-1	Cucujidae	Cucujus clavipes var. puniceus Mann.	Col. from D. m. att. PP	Sula, Mont.
15797-a	Curculionidae	Cossonus ponderosa (VanD.)	Col. from sapwood of D. brev. att. PP	Coeur d'Alene, Ida.
20065	"	Cylindrocopturus longulus (Lec.)	Reared from PP att. by I. o.	Coeur d'Alene, Ida.

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
20064	Curculionidae	Gelus californicus (Lec.)	Reared from PP att. by I.c.	Coeur d'Alene, Ida.
21860	"	Magdalis cuniformis Horn	Reared from PP twigs	Sundance, Wyo.
18702	"	" lecontei Horn	Col. from outer bark surface of PP twigs	New Meadows, Ida.
16341-a	"	Pissodes schwarzi (Hopk.)	Col. from *Pinus ponderosa*	Coeur d'Alene, Ida.
16376-D	"	Rhyncolus oregonensis Horn	Col. from sapwood of PP killed by D.brev.	Coeur d'Alene, Ida.
20055	"	Scythropus sp. near miscax Fall	Defoliating PP	Coeur d'Alene, Ida.
16337-a	"	" californicus Horn	Defoliating PP	Coeur d'Alene, Ida.
——	Elateridae	Adelocera profusa Cand.	Adults col. from under bark of decaying PP logs	Coeur d'Alene, Ida.
	"	" rorulenta Lec.	Adults col. from under bark of decaying PP logs	Coeur d'Alene, Ida.
15797-E	"	Alaus melanops Lec.	Adults col. from decaying PP stumps	Coeur d'Alene, Ida.
	"	Elater phoenicopterus Germ.	Adults col. from under bark of decaying PP logs	Coeur d'Alene, Ida.

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
———	Elateridae	Elater pullus Germ.	Adults col. from under bark of decaying PP logs	Coeur d'Alene, Ida.
———	"	Ludius fallax Say	Adults col. from under bark of decaying PP logs	Coeur d'Alene, Ida.
20071	Erotylidae	Dacne uteana Csy.	Reared from PP att. by *I.o.*	Coeur d'Alene, Ida.
19582	Histeridae	Isomalus mancus Csy.	Adults col. from under bark of PP att. by *D.m.*	Sula, Mont.
15798-c	"	Platysoma punctigerum Lec.	Col. and also reared from PP att. by *D.brev.*	Coeur d'Alene, Ida.
16328-c	"	Plegaderus sp.	Col. from PP att. by *I.o.*	Coeur d'Alene, Ida.
16961-a	"	" nitidus Horn	Col. from PP att. by *I.o.*	Coeur d'Alene, Ida.
16958-a	Lucanidae	Ceruchus punctata Lec.	Col. from decayed PP logs	Coeur d'Alene, Ida.
20052 20063	Melandryidae	Rushia californica Fall.	Reared from PP att. by *I.o.*	Coeur d'Alene, Ida.

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
20073	Melyridae	Eurelymus atra (Lec.)	Reared from PP att. by I.o.	Coeur d'Alene, Ida.
20265	"	Listrus montanus Csy.	Reared from PP att. by D.brev.	Coeur d'Alene, Ida.
20070	"	Listrus sp. near senilis Lec.	Reared from PP att. by D. brev.	Coeur d'Alene, Ida.
20265-1	"	Malachius sp.	Reared from PP att. by D.brev.	Coeur d'Alene, Ida.
16335-b	Nitidulidae	Epuraea avara (Rand.)	Col. from PP att. by D.brev.	Coeur d'Alene, Ida.
20050	"	Glischrochilus quadrisignatus Say.	Reared from PP att. by I.o.	Coeur d'Alene, Ida.
20051	"	Glischrochilus vittatus (Say.)	Reared from PP att. by I.o.	Coeur d'Alene, Ida.
20053	"	Soronia guttulata (Lec.)	Col. from outer bark surface of I.o. att. PP	Coeur d'Alene, Ida.
20069	Orthoperidae	Sacium lugubre Lec.	Reared from PP att. by I.o.	Coeur d'Alene, Ida.
19623-2	Ostomidae	Corticotomus cavipes (Fall)	Col. from PP att. by D.brev.	Coeur d'Alene, Ida.
15797-B	"	Temnochila virescens var chlorida Mann.	Adults and larvae col. from PP att. by D.brev.	Coeur d'Alene, Ida.
20060	"	Tenebroides occidentalis Fall	Reared from PP att. by I.o.	Coeur d'Alene, Ida.

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
16347-D	Ostomidae	Tenebroides sinuatus (Lec.)	Adults col. from PP att. by D.brev.	Kellogg, Ida.
20048	Othniidae	Othynius lugubris Horn	Reared from PP att. by I.o. & from PP att. by Melanophila californica and gentilis	Coeur d'Alene, Higgins, Ida.
20059	Pedilidae	Eurygenius campanulatus (Lec.)	Col. from outer outer bark surface of PP att. by I.o.	Coeur d'Alene, Ida.
20074	Ptinidae	Ptinus sp.	Reared from PP att. by I.o.	Coeur d'Alene, Ida.
18603	Rhizophagidae	Rhizophagus sculpturatus Mann.	Col. from PP att. by D.brev.	Coeur d'Alene, Ida.
16332	Scarabaeidae	Dichelonycha sp.	Col. from PP foliage	Coeur d'Alene, Ida.
16383-a	Scolytidae	Dendroctonus brevicomis Lec.	Reared from PP	Coeur d'Alene, Ida.
16333-a	"	" monticolae Hopk.	Col. and also reared from PP	Coeur d'Alene, Ida.

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
17216 A	Scolytidae	Dendroctonus ponderosae Hopk.	Adults col. from galleries in PP	Kaibab N. F., Arizona
16385-a	Scolytidae	Dendroctonus valens Lec.	Col. from weakened PP	Coeur d'Alene, Ida.
20263	"	Gnathotrichus retusus (Lec.)	Col. from PP att. by *I.o.*	Coeur d'Alene, Ida.
20123	"	Hylurgops lecontei Sw.	Col. from PP att. by *D.m.*	Sula, Mont.
16310-a	"	" subcostulatus Mann.	Col. from PP att. by *D.brev.*	Coeur d'Alene, Ida.
16998-a	"	Ips emarginatus Lec.	Col. from PP att. and killed by this species	Nelson, Mont.
16329-a	"	" integer Eich.	Col. from PP slash, associate att. with *I.o.*	Coeur d'Alene, Ida.
19958	"	" sp. near interruptus Mann.	Col. from PP	Viola, Ida.
16312-a	"	" oregoni Eich.	Reared from PP killed by att. of this insect	Coeur d'Alene, Ida.
16960-a	"	" ponderosae Sw.	Col. from PP apparently killed by this species	Clancy, Mont.
20080	"	Orthotomicus caelatus Eich.	Col. from PP limbs & tops, associate att. by *I.o.*	Coeur d'Alene, Ida.
22053	"	" ornatus Sw.	Reared from PP killed by *M. californica*	Riggins, Ida.

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
16334-a	Scolytidae	Pityogenes carinulatus Lec.	Col. from PP reproduction	Coeur d'Alene, Ida.
19732-1	"	" elegans Sw.	Col. from *I.o.* att. PP, associate attack	Spokane, Wash.
22052	"	Pityophthorus burkei Blkm.	Reared from PP infested by *M. californica*	Riggins, Ida.
20262	"	" confertus Sw.	Col. from PP slash, tops & limbs	Coeur d'Alene, Ida.
20081	"	" confinus Lec.	Col. from PP slash, tops & limbs	Coeur d'Alene, Ida.
20261	"	" idoneus Blkm.	Col. from PP slash, tops & limbs	Coeur d'Alene, Ida.
20263	"	" retusus Lec.	Col. from PP slash, tops & limbs	Coeur d'Alene, Ida.
21875	"	" sp. near torreyanne Sw.	Col. from PP slash, tops & limbs	Coeur d'Alene, Ida.
20078	"	" tuberculatus Eich.	Adults col. from small PP limbs (slash)	Coeur d'Alene, Ida.
16332	Staphylinidae	Eumalus nigrella Lec.	Col. from between bark & wood of PP att. by *D.brev.*	Coeur d'Alene, Ida.

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
16335-c	Staphylinidae	Leptusa sp.	Col. from between bark & wood of PP att. by D.brev.	Coeur d'Alene, Ida.
16347-a	"	Nudobius cephalus Say.	Col. from between bark & wood of PP att. by D.brev.	Kellogg, Ida.
16335c	"	Omalium pusillum Grav.	Col. from between bark & wood of PP att. by D.brev.	Coeur d'Alene, Ida.
16335-c	"	Placusa sp.		
17242	Tenebrionidae	Helops convexulus Lec.	Col. from PP reproduction	Miles City, Mont.
20057	"	Hypophloeus parallelus Melsh.	Reared from PP att. by I.o.	Coeur d'Alene, Ida.
22086	"	" sp. near substriatus Lec.	Reared from PP att. by M. gentilis	Riggins, Ida.
22071	"	Platydema sp.	Reared from PP att. by Melanophila californica	Riggins, Ida.

COLEOPTERA

Western Larch
(Larix occidentalis)

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
———	Scolytidae	Dendroctonus pseudotsugae Hopk.	Adults col. from galleries in small tree	Coeur d'Alene, Ida.
———	"	" " "	Killing trees up to 12 inches D.b.h.	Metaline Falls, Wash.
19905	"	Scolytus laricis Blkm.	Col. from limbs fallen from trees	Metaline Falls, Wash.
19959	"	Xylechinus montanus Blkm.	Adults col. from under bark of dead tree	Glacier N.P., Mont.

COLEOPTERA

Western Red Cedar
(*Thuja plicata*)

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
19803-3	Colydiidae	Lasconotus schwarzi Kraus.	Col. from galleries of *Phloeosinus punctatus* in cedar	Metaline Falls, Wash.
19763	Scolytidae	Phloeosinus kaniksu Blkm.	Col. from western red cedar windfall	Metaline Falls, Wash.
18694	"	" rusti Blkm.	Col. from western red cedar windfall	Metaline Falls, Wash.
19765-2	"	Trypodendron rufitarsis Kby.	Col. from sapwood	Metaline Falls, Wash.

COLEOPTERA

Western White Pine
(Pinus monticola)

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
19945	Anobiidae	Xestobium affine Lec.	Col. from outer bark surface of tree att. by *D.m.*	Metaline Falls, Wash.
16346-E	Buprestidae	Anthaxia aeneogaster Cast.	Collected from lower base of WP (Insect att.)	Kellogg, Ida.
16991-a	Cerambycidae	Acanthocinus obliquus (Lec.)	Col. and reared from *D.m.* att. WWP	Coeur d'Alene, Ida.
18633	"	Anthophilax mirificus Bland	Col. from outer bark surface of WWP att. by *D.m.*	Prichard, Ida.
16357-a	"	Asemum atrum Esch.	Col. from outer bark surface *D.m.* att. WWP	Prichard, Ida.
16981-a	"	Monochamus maculosus Hald.	Col. from outer bark surface of WWP logs on skidway	Prichard, Ida.
16982-A	"	Monochamus obtusus Csy.	Reared from fire-scorched WWP	Coeur d'Alene, Ida.
16979-a	"	Monochamus oregonensis Lec.	Reared from fire-scorched WWP	Coeur d'Alene, Ida.
21874	"	Spondylis upiformis Mann.	Col. from roots of WWP killed by *D.m.*	Coeur d'Alene, Ida.

Hopk. U. S. No.	Family	Genera - species	Host	Locality
16318-B	Cleridae	Enoclerus sphegeus Fabr.	Adults and larvae collected from D.m. att. WWP	Coeur d'Alene, Ida.
19780-1	Cryptophagidae	Caenoscelis sp.	Collected from D.M. att. WWP	Metaline Falls, Wash.
19780	"	Cryptophagus sp.	Collected from D.m. att. WWP	Metaline Falls, Wash.
19797	Cucujidae	Cucujus clavipes var. puniceus Mann.	Collected from outer bark surface of D.m. att. WWP	Metaline Falls, Wash.
19834-1	"	Pediacus depressus Hbst.	Collected from D.m. att. WWP	Metaline Falls, Wash.
21869	Curculionidae	Carphonotus testaceus Csy.	Collected from D.m. att. WWP	Metaline Falls, Wash.
16954-a	"	Cossonus piniphilus (Boh.)	Collected from sapwood of WWP	Coeur d'Alene, Ida.
21941	"	Pissodes coloradensis Hopk.	Reared from WWP att. by D.m.	Fort Hill, Ida.
20287	"	Pissodes curriei (Hopk.)	Reared from WWP root from tree att. by D.m.	Libby, Mont.
19857	"	Rhyncolus brunneus Mann.	Collected from att. by D.m.	Metaline Falls, Wash.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
________	Histeridae	Isomalus mancus Cay.	Collected from *D.m.* att. WP	Lakeview, Ida.
16315-c	"	Paromalus sp.	Collected from *D.m.* att. WP	Coeur d'Alene, Ida.
19793-5	"	Plegaderus nitidus Horn.	Adults collected from under bark of WWP att. by *D.m.*	Coeur d'Alene, Ida.
19796	Lycidae	Eros sp.	Collected from outer bark surface of *D.m.* att. WWP	Metaline Falls, Wash.
19528	Melandryidae	Xylita laevigata (Hellw.)	Collected from ~~outer bark surface of~~ *D.m.* att. WWP	Metaline Falls, Wash.
19795	Nitidulidae	Epurea truncatella Mann.	Collected from WWP att. by *D.m.*	Metaline Falls, Wash.
19804	"	Omosita discoidea (Fab.)	Collected from outer bark surface of WWP att. by *D.m.*	Metaline Falls, Wash.
17244-a	Ostomidae	Temnochila virescens var. chlorida Mann.	Adults and larvae collected from WWP att. by *D.m.*	Coeur d'Alene, Ida.

Hopk. U.S.No.	Family	Genera - species	Host	Locality
16357-B	Pythidae	Lecontea discicollis (Lec.)	Collected from under loosebark on WWP	Prichard, Ida.
19782	"	Pytho sp.	Collected from WWP att. by D.m.	Metaline Falls, Wash.
19895-1	Rhizophagidae	Rhizophagus dimidiatus Mann.	Collected from WWP att. by D.m.	Metaline Falls, Wash.
16346-G	"	Rhizophagus minutus var. quadriguttatus Meq.	Collected from WWP att. by D.m.	Kellogg, Ida.
19895	"	Rhizophagus remotus Lec.	Collected from outside bark surface WWP att. by D.m.	Metaline Falls, Wash.
21809	Scolytidae	Conophthorus monticolae Hopk.	Reared from WWP cones	Coeur d'Alene, Ida.
19785	"	Crypturgus borealis Sw.	Collected from WWP att. by D.m.	Metaline Falls, Wash.
16333-a	"	Dendroctonus monticolae Hopk.	Reared from WWP	Coeur d'Alene, Ida.
______	"	Ditto	Ditto	Metaline Falls, Wash.
______	"	Dendroctonus valens Lec.	Collected from D.m. att. WWP	Coeur d'Alene, Ida.
19872	"	Dryocoetes affaber (Mann.)	Collected from WWP att. by D.m.	Metaline Falls, Wash.
16902-a	"	Hylurgops rugipennis (Mann.)	Collected from WWP att. by D.m.	Coeur d'Alene, Ida.
16368-a	"	Ips latidens Lec.	Collected from WWP in associated att. by D.m.	Coeur d'Alene, Ida.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
16358-a 17255-a	Scolytidae	Ips vancouveri Sw.	Collected from WWP in associated att. by D.m.	Prichard, Ida. Coeur d'Alene, Ida.
16359-B	Scolytidae	Orthotomicus ornatus Sw.	Collected from WWP in associated att. by D.m.	Coeur d'Alene, Ida.
21918	"	Pityogenes fossifrons Lec.	Collected from WWP in assoated att. by D.m. att. in tops	Coeur d'Alene, Ida.
19768	"	Pityokteines elegans Sw.	Adults collected from WWP att. by D.m.	Coeur d'Alene, Ida.
16369-a	"	Trypodendron bivittatum Kby.	Collected from WWP	Lakeview, Ida.
	"	Trypodendron cavifrons Mann.	Adults collected from sapwood of WWP	Coeur d'Alene, Ida.
19879	Scophidiidae	Scaphisoma convexum (Say.)	Collected from WWP att. by D.m.	Metaline Falls, Wash.
19787	Silphidae	Leiodes sp.	Collected from WWP att. by D.m.	Metaline Falls, Wash.
19892	Staphylinidae	Baptolinus macrocephalus (Nordm.)	Collected from WWP att by D.m.	Metaline Falls, Wash.
19812-3	"	Nudobius pugetanus Csy.	Reared from WWP att. by D.m.	Metaline Falls, Wash.

Hopk. U.S. No.	Family	Genera - species	Host	Locality
19855-1	Staphylinidae	Quedionuchus laevigatus Gyll.	Collected from WWP att. by D.m.	Metaline Falls, Wash.
19906	"	Quedius peregrinus (Grav.)	Collected from WWP att. by D.m.	Metaline Falls, Wash.
19889	"	Stenus maritimus Mots.	Collected from outer bark surface of D.m. att. WWP	Metaline Falls, Wash.
19894	"	Tachyporus californicus Horn.	Collected from outer bark surface of D.m. att. WP	Metaline Falls, Wash.
19828	Tenebrionidae	Bius estriatus Lec.	Collected from WWP att. by D.m.	Metaline Falls, Wash.
19742-4	"	Hypophloeus glaber Lec.	Collected from WWP att. by D.m.	Metaline Falls, Wash.

COLEOPTERA

Whitebark Pine
(*Pinus albicaulis*)

Hopk. U.S.No.	Family	Genus - species	Portion of host from which col.	Locality
______	Scolytidae	Dendroctonus monticolae Hopk.	Adults col. from galleries; killing large numbers of WBP	Sula, Mont.
______	"	" valens Lec.	Col. from base of standing tree	Yellowstone N.P., Wyo.
17213-B	"	Dryocoetes confusus Sw.	Adults col. from galleries of D.m. att. WBP	Yellowstone N.P., Wyo.
21917	"	Ips guildi Blkm.	Adults col. from galleries	Sheridan, Wyo.
21918	"	Pityogenes fossifrons Lec.	Adults col. from tops D.m. att. trees	Sheridan, Wyo.
21919	"	Pityophthorus albertensis Blkm.	Adults col. from tops and limbs of D.m. att. trees	Sheridan, Mont.
17214-a	"	" sp. near cameli Sw.	Adults col. from between bark & wood 24-inch windfall	Yellowstone N.P., Wyo.
17214-B	"	Trypodendron borealis Sw.	Adults col. from between bark & wood 24-inch windfall	Yellowstone NP, Wyo.

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